



The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

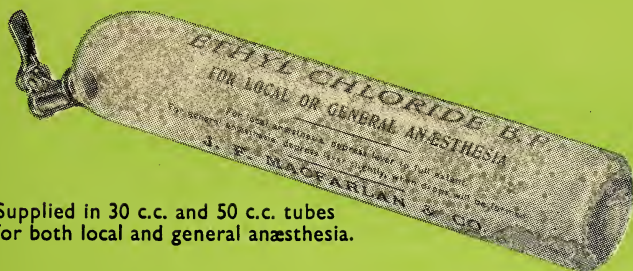
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EXLII

JULY 22, 1944

Annual Subscription (with
Diary) 25/- Single copies 9d.

ETHYL CHLORIDE

of unsurpassed purity,
free from all residual odour.



Supplied in 30 c.c. and 50 c.c. tubes
for both local and general anæsthesia.

A product equal in purity and efficiency to our
well-known Anæsthetic Chloroform and Ether,
both of which have been on the market for
nearly a century.

J. F. MACFARLAN & CO.

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For 75 years...

Wright's have been proud to maintain their
policy of supplying the finest pharmaceutical
preparations at reasonable prices. BULK DRUGS ★
DISINFECTANTS ★ PACKED PHARMACEUTICALS ★
AMPOULES ★ HYPODERMIC TABLETS

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LIMITED

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MONSANTO CHEMICALS LTD

RUABON • WREXHAM • DENBIGHSHIRE • Ruabon 3191

Monsanto make

a wide range of

DISINFECTANTS

Sheep Dips
Veterinary Fluids
Black Fluids
White Fluids
Board of Trade Fluid
(for ships)
A.R.P. Fluid
(for gas masks)

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Lysol B.P.
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CURICONES

SPECIAL
ANNOUNCEMENT
regarding
GELATINE CAPSULE

War demands are holding up supplies of the Gelatine Capsule containers and for the time being we are obliged to market Curicones in TABLET form. This does not affect their efficacy in any way *whatsoever*.

We hold a limited quantity of Curicones in Gelatine Capsules and these are being rationed in FIVE SHILLING Bottles. The 24/- size is temporarily withdrawn until Tablet supplies are ready. In the meantime, you should still recommend

CURICONES

FOR ALL RHEUMATIC AILMENTS

ORDER THROUGH YOUR
USUAL WHOLESALER

STEPHEN MATTHEWS & CO., LTD.
19-21 Farringdon Street, London, E.C.4

A Diabetic Patient's Appreciation of

Milward's
VIM

FIRTH BREARLEY STAINLESS STEEL
HYPODERMIC NEEDLES

Diabetic patients are best qualified to judge the qualities of hypodermic needles. The following appreciation from one of these is consequently of considerable interest and significance.

"I have to say with complete conviction that the 'Vim' is as near perfection as can be hoped for. It has been used three times daily for 24 days (72 injections) and shows no sign of deterioration. The most remarkable thing is that it is still as sharp

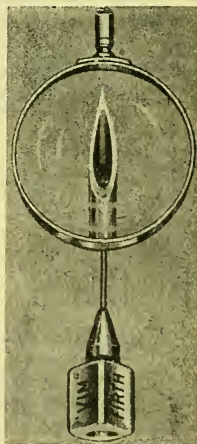
as ever which amongst its most satisfactory features. You have something extraordinarily good here

Vim Needles
Outlast 3 to 5 ordinary steel needles

Always sharp

Less painful
injections

No wiring
necessary



Chas. J. Haekray
LTD

Sole distributing agents
for Gt. Britain & Empire
(excluding Canada)

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EVANS

SUPPLIES

A safe antacid

NOVASORB

(Hydrated Magnesium Trisilicate)

Novasorb contains magnesium oxide and silicon dioxide in those relative proportions which give the best possible antacid and adsorptive effects.

The composition of synthetic magnesium silicate depends upon the conditions of the precipitation. Careful control during manufacture renders Novasorb ideal for medicinal use.

Novasorb promptly corrects hyperacidity with the further advantage that, should the quantity taken be greater than the current requirement, the excess remains insoluble and is excreted unchanged. Thus alkalosis is avoided.

RETAIL PRICES

Powder - - - -	2/-, 3/1, 10/-, and 40/-
Tablets of 20 grains -	1/8, 2/6 and 10/7

EVANS SONS LESCHER & WEBB LTD.

FINE CHEMICALS ** BIOLOGICALS ** PHARMACEUTICALS

KEROCAIN

(PROCAINE HYDROCHLORIDE KERFOOT)

LOCAL ANAESTHESIA AT ITS BEST

Procaine Hydrochloride in an exceptionally pure and reliable form, conforming to standards considerably more stringent than those of the B.P.



Prepared under ideal conditions
and the strictest analytical control.
Always specify KERFOOT.

Thomas Kerfoot & Co. Ltd., Vale of Bardsey, Lancashire K.11

PROMOTES DEEP
REFRESHING
SLEEP

Caobury's
BOURN-VITA
NEEDS NO SUGAR

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fact that goods made of raw materials in short supply owing to war conditions are advertised in this should not be taken as an indication that they are necessarily available for export.

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Order your requirements NOW!

9/- per dozen less discount

6 dozen parcel less 5% & 2½%

12 " " " 10% & 2½%

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ANACARDONE

anacardone is Nikethamide of the P. It is indicated in all forms of respiratory distress or cardiac insufficiency: for example, in surgical and anesthetic shock, collapse following subcutaneous, electric shock, narcotic poisoning; and cardiac and respiratory insufficiency due to pneumonia, influenza, and other infections.

Notes of Issue: in ampoules of a 1 per cent. solution for intravenous, intramuscular, or subcutaneous injection (injection of Nikethamide B.P.) and in solution (flavoured) for oral administration.

anacardone is advertised to the medical profession, and pharmacists will be well advised to keep an adequate stock.



PRICES

Solution for parental administration:
Box of 6 x 2 c.c. ampoules Retail; 4/5.
Wholesale per doz. 32/-; Plus Purchase Tax 5/4 per doz.
Box of 12 x 2 c.c. ampoules; Retail 7/9.
Wholesale per doz. 56/-; Plus Purchase Tax 9/4 per doz.
Box of 3 x 5 c.c. ampoules; Retail 5/7.
Wholesale per doz. 40/-; Plus Purchase Tax 6/8 per doz.
Box of 12 x 5 c.c. ampoules; Retail 18/4.
Wholesale per doz. 132/-; Plus Purchase Tax 22/- per doz.

A product of

THE BRITISH DRUG HOUSES, LTD., LONDON, N.1

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From January to December

Penetrol Inhalant is an all-the-year-round big selling line—when you can get it. But, like many other well established




proprietarys, supplies are limited and we are only able to distribute limited quantities. Penetrol reminder advertising is consistent and it's a good plan to display Penetrol on your counter, even if you cannot reap the full sales benefit until supplies are normal again.

On the
PAT.
protected
list.



W. B. CARTWRIGHT LTD., RAWDON, LEEDS



a woman's DUTY...

"On duty," at home, at all times there is always a Rendells Product of intimate importance to every woman. In Nurse Drew's booklet, "Hygiene for Women," will be found helpful solutions to many feminine problems and full information about Rendells Products. For over 50 years the name recognised and approved by the Medical Profession. Ask your chemist for a copy of the booklet.

NURSE DREW, VICTORIA HOUSE,
SOUTHAMPTON ROW, LONDON, W.C.2

RENDELLS

FOR FEMININE HYGIENE

APPROVED
BY DOCTORS

ADVERTISING WHICH NEVER STOPS

Rendells Products rank among Britain's greatest proprietary lines. War-time restrictions alone limit the upward trend of their sales.

Consistent, dignified advertising at all times has achieved this proud result. Ample window and counter display material is still available for all Pharmacists.

Rendells

PATA

PRODUCTS

FOR FEMININE HYGIENE

J. RENDELL LTD. HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1



A Name that stands
for **PERFECTION** and
DEPENDABILITY in
Pharmaceutical
Preparations



An organization with long
experience and modern
equipment, aided by a
highly technical staff under
scientific control and
specializing in the manufac-
ture of **PILLS** and **TABLETS**



ARTHUR H. COX & Co. Ltd.
BRIGHTON

'ASPRO'

FIXED PRICES

5
TABLETS
(One tape)

3½^D

10
TABLETS
(Two Tapes)

6½^D

27
TABLETS
(In pack)

1/3

P.A.T.A.

AN IMPORTANT NOTICE TO RETAILERS

The recognised P.A.T.A. prices 'ASPRO' approved by the Central Price Regulation Committee, which must not be exceeded under the Price Control Regulations, as shown above. We have already explained to chemists that Government restrictions on packing materials make it impossible for us to continue to supply packets of 10 tablets. We have therefore, had to standardise to loose tape pack retailing at ONE TAPE 3½^D, TWO TAPES 6½^D. Unfortunately a number of cases have recently come to our notice which, probably owing to inexperienced staff, customers have been charged 7d. for two tapes. We must, therefore, point out that the price at which this pack is sold to the chemist provides HIS FULL PERMITTED RATE OF PROFIT which he sells at two tapes for 6½^D.

7d. FOR TWO TAPES IS AN OVERCHARGE

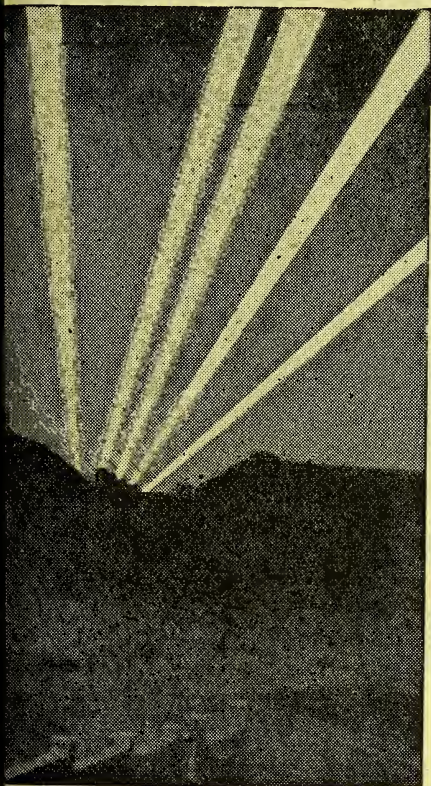
We emphasise this point to save inconvenience to trade and public.

The above prices do not apply to Eire.

ASPRO LIMITED
SLOUGH · BUCKS



Nervous Apprehension



When nervous apprehension is associated with long hours of work and anxiety, sleepless nights are often an unpleasant sequel. In such cases the administration of bromide is beneficial in inducing quiet restful sleep. A most pleasant method of administering bromide is made available in 'Sedobrol' Sedative Bouillon cubes, each of which contains 17 grains of sodium bromide with vegetable extracts and condiments.

'SEDOBROL' BOUILLON TABLETS

One to two 'Sedobrol' tablets dissolved in a cup of boiling water makes a savoury agreeable beverage in which the unpleasant saline taste of the bromide is entirely masked.



*Packings : 'Sedobrol'
tablets in tins of*

10 . . . 2/-

Purchase Tax 3d.

30 . . . 5/-

Purchase Tax 7d.

Subject to usual trade discount.

THE PRODUCTS LIMITED, WELWYN GARDEN CITY, HERTS.

To Bear Your Budgets



One-way Budgets of the war years have subjected the Retailer to a very long toughening process . . . suppose a better Budget does appear, won't the surprise, and relief, be almost equally unbearable? It's the really old stagers which maintain equilibrium, the ever-selling favourite like

BOX'S PILLS

PATA

Retail Prices

1/3, 3/-, 4/10¹/₂, 12/-, 21/9

Including
Purchase Tax

W. H. BOX, KING STREET, PLYMOUTH

Little-known Limericks — No. 2



Exhausted with Baby's demands
Mum finally threw up her hands.

Her chemist said cheerily,

"Why slave away wearily?

Give Baby a dinner of Brands!"

★

We are sorry to disappoint some of your "exhausted" customers occasionally, but we still can't keep up with the demand for Brand's Baby Foods. You can be sure of one thing, though — the Brand salesmen have no favourites. Our limited supplies are distributed on a strictly fair basis.

BRAND & CO., LTD.
LONDON

Over sixty years



of good service

For over sixty years we have tried to give to each and every customer precisely the same kind of loyal and helpful service we like to receive ourselves. We are more than proud of our record and our good name, and with the support of so many of our old friends during these difficult times we are looking forward with confidence to the opportunity of rendering new and better standards of good service, when once again we can all live and work in a permanent atmosphere of peace and contentment

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Thomas Waide & Sons, Ltd., Kirkstall Hill, L.



MANUFACTURERS OF
TABLETS
AND
PILLS
For the
Pharmaceutical
Trade

Richard Daniel & Son
Derby LTD

*Phone: Derby 4266-7-8. *Grams: Dania Derby

Established 1860

A tin of
BESORBON, please

'People say
BESORBON is good'

Do you stock
BESORBON?

'I've heard
BESORBON
is excellent
for Colds'



The demand for **BESORBON** medicinal snuff increases during the winter, and a display on your counter is a further reminder. Order by the dozen to obtain this attractive counter display box. Obtainable through all registered Wholesale Chemists

EMSALES LTD
EASTCHEAP LONDON E.C.

SEED DRESSINGS - SEASON 1944

We offer

Genuine **SULPHATE OF COPPER**
and

CARBOLISED SEED DRESSING
Bulk or 1-lb. cartons. Own name.

Also Chemists' Formulae—bulk or packed
in 1-lb. cartons. Own name.

LOSALL'S "TENT-ALL"
Liquid Seed Dressing

An up-to-date dressing for wheat, barley,
rye, oats, peas, beans, etc., in—

Quart tins	Retail price 1/9 each	.. 14/- doz.
1-gall. tins	" " 5/-	" .. 40/- "
5-gall. tins	" " 20/-	" .. 160/- "

LOFTHOUSE & SALTMER
LTD.
Manufacturing Chemists - - HULL

UNLIMITED
SUPPLIES OF

**DIUROMIL
AND
RALGEX**

ARE AGAIN
AVAILABLE

Supplies can be obtained at once
either from the wholesale houses or
direct from

PHARMAX LTD.
Ibex House, Minorities, London, E.C.3

PATA

*This is to introduce
to you -*

**YOLA SALTZER
GRANULES** (NOT POWDER)



A perfectly balanced product,
dissolves and effervesces in a
flash, producing a CLEAR and
SPARKLING SOLUTION.

2/3d. incl. tax.

RECOMMENDED IN ALL CASES OF
HEADACHE, FATIGUE, ALL DIGESTIVE
TROUBLES, and MORNING SICKNESS
IN PREGNANCY.

Order from your usual Wholesaler or direct
from Distributing Agents—

JOHNSON AGENCIES (PTY) LTD
Clarendon Works, Clarendon Rd., Croydon

A CHEMIST SAYS . . .

*There is no
remedy to
equal it!*



and am delighted to recommend
Dr. Singha Tablets to my Asthma-
suffering customers.

PRICES:
1/6, 5/-, 12/-, 20/-
(exclusive of purchase tax)

THE DR. SINGHA CO., LTD.
CAERNARVON, NORTH WALES

DR SINGHA
ASTHMA TABLETS

SOUTH AFRICA
YOUR POST-WAR EXPORT
MARKET

KEENE & COMPANY
(Principal: David Kay)
Commonwealth Building,
St. George's Street (P.O. Box 2305)
CAPE TOWN, SOUTH AFRICA

Are desirous of making contact with
British Manufacturers as

FACTORY REPRESENTATIVES
for South Africa and the Rhodesias
Highest references available and really
first-class representation assured.

Proprietary Medicines; Toilet; House-
hold Requisites; Hardware and Plastics
particularly invited. Further information
from

SAMSON CLARK & Co., Ltd.
57-61 Mortimer Street, London, W.1
Or Write Direct

This surgical dusting powder is

PROTECTIVE • ABSORBENT • SOOTHING ANTISEPTIC

THIS COMBINATION OF PROPERTIES has made B·F·I a staple item with chemists. Always a steady seller, its popularity has extended over a third of a century, both in its use by the physician and as a first-aid necessity.

B·F·I has a wide field of clinical use as a dry dressing for cuts, scratches, blisters, abrasions and other superficial wounds, and for prickly heat, itching, sunburn and similar affections.

B·F·I is *protective*, because of its excellent spreading and clinging power which protects the surface from contact with air or friction with clothing. It is *astringent*, to promote contraction of the surface tissues and to arrest secretions. It is *absorbent*, yet does not cake or form hard crusts. It is *soothing*. It is *antiseptic*.



"For the Conservation of Life"

SHARP & DOHME

DES DON

LIMITED

HERTS

TWO LINES IN STEADILY GROWING DEMAND

BABLETS

(Baby's Own Tablets)

For Teething Troubles and other Simple Ailments of
Infants and Children

Laxative · Comforting · Digestive

PATA

Regularly Advertised · Do not lose sales · Get in a stock at once · You run no risk, as sale is
guaranteed · Your Wholesaler can supply

G. T. FULFORD CO. LTD. (of Canada), 8 Royston Park Road, Hatch End, Middlesex

PINKETTES

"The Liver Pill You Need"

For Sluggish Liver, Constipation, Biliousness, Dizziness
Sick Headaches, Offensive Breath, Coated Tongue

The Laxative you can confidently recommend

PATA

FRANCO-BRITISH ELECTRICAL CO. LTD.

For Ampoules & Vials.

FIRTH STREET GLASSWORKS
LEEDS 9

MILLAMALT

The VITAMIN
MALT FOOD

Sole Manufacturers

JEFFREYS MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.

INSOMNIA?

"ISOBROM"
indicated!

A Non-toxic Mild Hypnotic and Sedative
containing 5 grs. Bromisovalerylurea per tablet

Bromisovalerylurea is a non-toxic mild hypnotic and sedative. Its activity and effect is midway between that of the Barbiturates on one hand and the Bromides and Valerian on the other. Its therapeutic dosage ISOBROM Tablets may be administered for any length of time without producing either secondary or after-effects. Not habit-forming. cause no "bromism," have no cumulative effect. Well tolerated even by children and infants.

INDICATIONS

Insomnia caused by functional nervous disorders, mental strain, fatigue or worry (less effective in insomnia caused by pain). Neuritis, Neurasthenia, Hysteria, Dysmenorrhoea, Nausea and Vomiting during pregnancy, Senile Prostratus, See Sickness, etc. Nervous Conditions in children.

ACTION

Induces sleep in from 4-25 minutes from ingestion. Effect lasts from 4-5 hours and is usually followed by natural sleep. In Bottles containing 25 and 100 tablets. Dispensing Pack: 250 tablets.

Clinical samples and literature on request

CLINICAL PRODUCTS LTD.
RICHMOND, SURREY

**THIS ADVERTISEMENT
IN MEDICAL JOURNALS
HAS ESTABLISHED
'ISOBROM'**

Regular insertions, in conjunction with the efforts of our medical representatives, have resulted in an ever-increasing number of physicians prescribing ISOBROM, with a consequent steady flow of orders to Chemists.

In bottles of 25 and 100 tablets. Obtain smalls through your wholesaler.

*For best direct terms apply
to the sole manufacturers:*

**CLINICAL PRODUCTS
LTD.**
RICHMOND :: SURREY





'BISURATED' MAGNESIA

NEW ADVERTISING SCHEME



This **MANAGER** *says*

"Keeping an eye on important work calls for alertness. Mental lassitude — caused by indigestion — I avoid by taking 'Bisurated' Magnesia."

Digestive upsets are often the result of excess acidity — set up by fermenting food. Wind, heartburn and other painful symptoms can be corrected by a dose of 'Bisurated' Magnesia taken after meals.

The ingredients in this reliable remedy neutralise all excess acidity in the stomach and quickly help to restore normal digestion again.

Ask your Chemist to-day for 'Bisurated' Magnesia. Powder or Tablets 7d. to 2/10 (Including Purchase Tax).

'Bisurated' Magnesia



This **HOUSEWIFE** *says*

"Stooping about doing housework used to affect my stomach and cause indigestion — until I took 'Bisurated' Magnesia."

The cause of digestive upsets is often excess acidity — set up by fermenting food. Wind, heartburn and other painful symptoms can be corrected by a dose of 'Bisurated' Magnesia taken after meals.

The ingredients in this reliable remedy neutralise all excess acidity in the stomach and quickly help to restore normal digestion again.

Ask your Chemist for 'Bisurated' Magnesia to-day. 7d. to 2/10 (Including Purchase Tax).

'Bisurated' Magnesia



This **POSTMAN** *says*

"Wartime rounds are trying and don't improve stomach troubles. Since taking 'Bisurated' Magnesia I've got free of indigestion, and can enjoy my food without painful after-effects."

The ingredients in this reliable remedy for digestive upsets neutralise all excess acid in the stomach, and relieve wind, heartburn and other symptoms of indigestion.

'Bisurated' Magnesia will quickly help to restore normal healthy digestion again, and you will be able to look forward to mealtime without the fear of subsequent distress.

Ask your Chemist to-day for 'Bisurated' Magnesia 7d. to 2/10 (Including Purchase Tax).

'Bisurated' Magnesia

is famous indigestion remedy which doctors have recommended and prescribed for over 25 years is in special demand to-day. Many people are finding that the strain of their intensified war effort is apt to re-act upon the stomach, causing acidity and indigestion. To them, 'Bisurated' Magnesia renders

valuable service; to you, it means increased turnover. Large size advertisements are appearing in the Provincial newspapers as well as insertions in the National and Magazine press, and we would suggest you see that you have adequate stocks to meet this increasing demand.

TERMS

Price of 14 to the dozen in return for 14 days window display.

Operation allowances: $7\frac{1}{2}\%$ on £5 orders, 10% on £10 orders. This shows a profit of 39% on best terms.

Carriage paid on all orders of £5 and over.

Other of our well-known products may, of course, be included for 'carriage paid' terms.

INTERNATIONAL CHEMICAL CO., LTD.
CLIFTON HOUSE · EUSTON ROAD · LONDON · N.W.1.

HOW TO RECOGNISE

Coty "AIR SPUN"

Coty "Air Spun" is only genuine if presented in one of the three packs illustrated here. Any other form of packing contains a black market product. Genuine Coty "Air Spun" is never sold loose.

WHY THREE DIFFERENT PACKS?

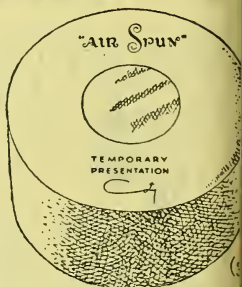
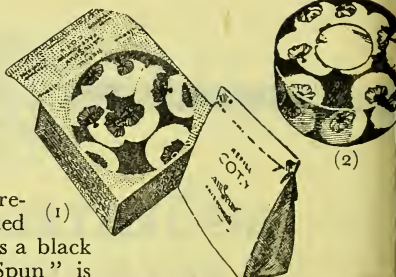
These three packs are the result of the war-time economies we have been compelled to introduce during the past two years owing to shortage of labour and material. As soon as stocks of (1) and (2) are exhausted, there will only be one Coty "Air Spun" War Pack on the market — (3).

RETAIL PRICES OF COTY "AIR SPUN"

- | | | | |
|--------------------------|----------------------|-----------------------------|----------------------|
| | <i>Including Tax</i> | | <i>Including Tax</i> |
| (1) Refill of "Air Spun" | 2/3 | (3) New War Pack with | |
| (2) War Pack "Powder | | plain cream background | |
| Puff" design | - - 2/6 | made in two sizes 2/6 & 4/9 | |

Protected by the P.A.T.A.

COTY (ENGLAND) LTD., 41 HIGH STREET, LEIGHTON BUZZARD. TELEPHONE: LEIGHTON BUZZARD 231



Pixie
The
KIDDIES' DENTIFRICE
Strawberry Flavour

Pixie is again available
In attractive cartons for
Display purposes
Excellent quality
In great demand
Ethical, hygienic and
delicious

RETAIL PRICE
9^D
INC. TAX

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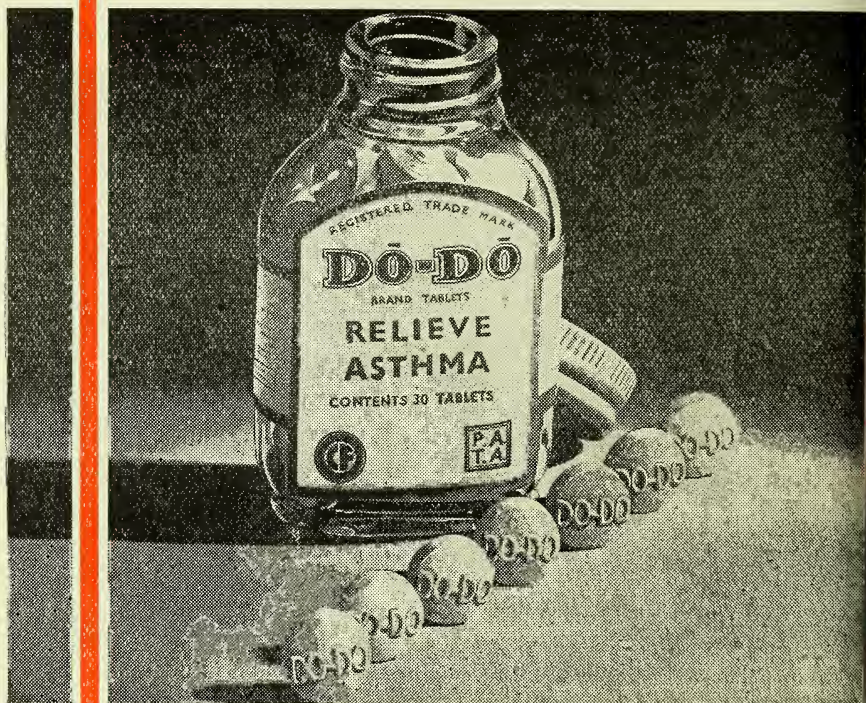
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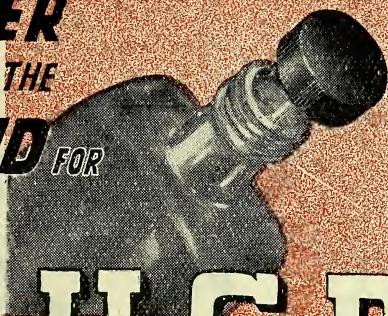
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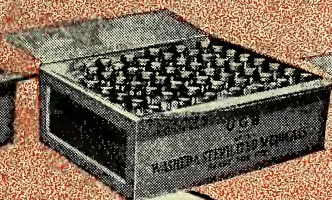


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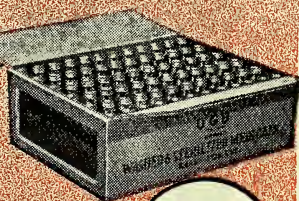
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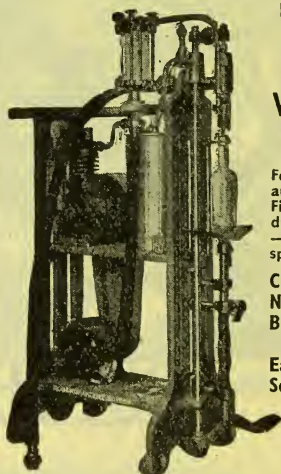
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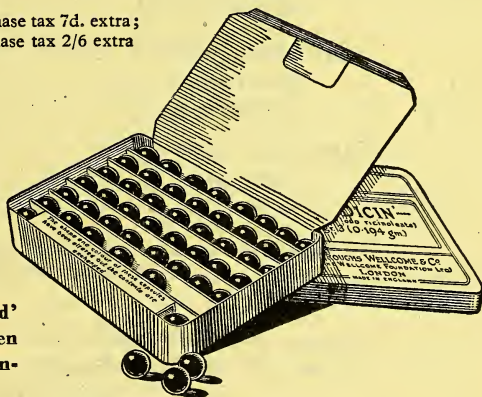
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NEWS OF THE WEEK

ipeacuanha a Scarce Substance.—A substance Order, which came into effect on July 17, prescribes extractum ipecacuanhæ as an authorised alternative to tinctura ipecacuanhæ liquidum, and a volume of one volume of extractum ipecacuanhæ and nineteen volumes of tinctura ipecacuanhæ. The Order (S.R. 1944, No. 795) varies a previous omission from the schedule of tinctura ipecacuanhæ and its alternative.

[illegible]

and Mr. F. C. Oscar Shaw (The British Drug Houses, Ltd.). The chairman of the Committee (the purpose of which is to review, with the senior officials of the Department, its practice and procedure, in order to improve the services available to exporters) is Mr. Arthur Mullins (Comptroller-General of the Department).

Veterinary Practice by Unregistered Persons.—In accordance with a recommendation made by the Loveday Committee on Veterinary Education in Great Britain, the Minister of Agriculture and Fisheries and the Secretary of State for Scotland have appointed a Committee to inquire into the extent and effect of veterinary practice in Great Britain by persons who are not registered veterinary surgeons, and to make recommendations upon measures considered desirable to limit or regulate such practice. The secretary (Mr. G. H. Higgs, of the Ministry of Agriculture and Fisheries) is open to receive communications at 99 Gresham Street, London, E.C.2.

Food Labelling Restrictions.—A new Labelling of Food Order made by the Minister of Food details the requirements to be met in the labelling of all pre-packed foods, and extends to advertisements as well its application to foods claiming to contain vitamins or minerals. From January 1, 1945, labels of pre-packed foods sold by retail will be required to show the name and address or the registered trade mark of the packer or the person for whom the food is packed; the common or usual name of the food; in the case of foods containing more than one ingredient, the common or usual name of the ingredients in the order of the proportions in which they were used; the minimum quantity of food in the package. Ingredients need not be disclosed if their composition complies with the requirements of Ministry of Food Orders prescribing standards made under Regulation 2 of the Defence (Sale of Food) Regulations, 1943. (Examples are mustard, self-raising flour, etc.) Pre-packed foods are those packed or made ready in advance for retail sale in a wrapper or container. Claims must not be made in respect of vitamins and minerals in foods, either on the labels or in advertisements, unless supported by a statement of the nature of the vitamin or mineral present and the quantity.

Northern Ireland Examination Results.—Andrew Robinson was, in addition to candidates listed previously (*C. & D.*, July 8, p. 30), successful in the recent Final Qualifying examination of the Pharmaceutical Society of Northern Ireland.

Presentation to West Ham Secretary.

—The committee and members of the West Ham and Eastern District Association of Pharmacists and local branch of the Pharmaceutical Society, which are organising a subscription (see *C. & D.*, July 1, p. 26) in appreciation of the services rendered by Mr. Joseph Reed as secretary for more than seventeen years, announce that the list of contributors will be closed on July 31. All persons desirous of sending donations should do so before that date to Mr. F. R. Maxey, 56 Woodgrange Road, London, E.7.

New "Economy in Drugs" Memorandum.

—A revised second edition of "Economy in the Use of Drugs in War-time," a war memorandum prepared by the Therapeutic Trials Committee, has been issued by the Medical Research Council (H.M. Stationery Office, price threepence net). The memorandum makes a change in the method of classifying drugs in the list. Group A in the new list indicates drugs that are of

value as therapeutic agents. Group B comprises drugs about which there are special difficulties of supply, and Group C, as before, drugs classified as not essential. The new list covers drugs included in the war-time Addenda to the British Pharmacopœia, 1932, the Supplements to the British Pharmaceutical Codex, and the National War Formulary. The classification of certain items in the original list has been changed, many new items have been added and the first supplement, published in 1943, has been incorporated. The memorandum on "Economy in the Use of Bactericides" first issued in April 1944, has been revised and is included as an appendix.

Irish Drug Association.—Mr. Lyall Smith (president) was in the chair at the June meeting of the committee of the Irish Drug Association, at which congratulations were extended to Mr. Frank Loughman, Tipperary, on his election to the D.E.D. Discussions took place on the recent Emergency Powers Standstill Prices Order under which every article sold by members is restricted to the lowest price charged in May 1944. To clarify the conditions, a meeting was held with the wholesale section and it was decided to issue a list of price changes to all members, who were urged to take the greatest care to ensure that prices in the Association's price list were not exceeded. Amended prices for safety-razor blades were included in the current price changes. It was announced that members of the Association were to be supplied with Irish Red Cross Society window slips dealing with an anti-tuberculosis drive, and members are being asked by the committee to display the slips prominently. Following a query from a member, the present percentage of gross profit was discussed, and the committee gave its opinion that a reduction in the rate was due to increased cost of drugs, limitations of quantity buying and absence of special terms and bonuses. A request from the Irish Union of Distributive Workers and Clerks for an alteration in the existing hours of closing on Saturdays in the Dublin area was considered, but the committee decided that the request could not be granted.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to new conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

TOPICAL REFLECTIONS

Pharmacist's Education

The excellent address of the chairman of the British Pharmaceutical Conference (70) has come at a time when a new Education Bill is nearing the end of its stages in Parliament. The bearing of changes in general education on preparation for a career in pharmacy must be a matter for anxious consideration on the part of all concerned with the training of prospective pharmacists in shops and also colleges. Though we are not hearing much at the moment about vocational guidance in schools, it is to be presumed that scholastic authorities have not lost sight of this part of their work. Here, I think, our problems begin. Granted that the normal age for leaving school will eventually be eighteen, what will the pupil be doing during the last three years or so of school tuition? If guidance in the choice of a vocation is being exercised, how will that guidance be reflected in the school curriculum? Are the last few years at school of the coming pharmacist, butcher, baker and the rest to be marked by differentiation of studies, or are all these types of scholar to be forced into one mould? It will not suffice to answer that all are being taught to be good citizens with an all-round acquaintance with as many subjects as the timetable will permit. The obvious danger of such an acquaintance is that the scholar will either leave school crammed with facts and with a chance of becoming a prig, or have picked up a superficial knowledge that can be of little service to anyone but a dilettante.

The Time for Apprenticeship

The time-schedule for the student from the age of eighteen to that of twenty-one or twenty-two must also be considered. This brings us to Mr. Brindle's proposal for ending apprenticeship after qualification. As you indicate in your editorial comment (67), post-graduate training in a pharmacy would not be apprenticeship in the hitherto accepted sense of the term. As is well known, our universities (or at any rate a considerable number of them) interest themselves in placing their graduates in professional or commercial posts. No university is, I suppose, likely to consider placing a graduate in a shop where he would have to learn several of the simplest operations from the beginning. There will, in the future of things, be many people who qualify without having the advantage of a university education—which, indeed, ap-

pears to be no more necessary in pharmacy than in other professions and trades that could be named; but their cases will not in this respect be essentially different from the cases of those who have passed through a university. It is no solution of the difficulty inherent in the chairman's drastic proposal to say that business knowledge can be included in every college curriculum; for there is no real substitute—or so it has been believed—for the kind of training to be obtained in a shop. The position is complicated by the recent discovery that in comparatively few shops are the requisite facilities for training apprentices to be found. Where, then, are young people to learn how to run a pharmacy? Visits to factories have for some time past been a feature of college courses: it is possible that in years to come visits to pharmacies will be regarded as equally important. We have yet to learn what pharmacists in business who have successfully trained apprentices have to say on this subject.

Education and Culture

The chairman's *obiter dictum* that the public "expects a pharmacist to be a cultured man with wide interests" calls for a brief comment. Culture can be analysed in, say, 10,000 words, but I take leave to doubt whether it can be fully defined in a sentence. Happily the choice of raw material for it is unrestricted. We may safely guess that if Matthew Arnold (who is quoted under the noun "culture" in the Shorter Oxford Dictionary) had been asked to prescribe a course of cultural study, he would have given a prominent place, perhaps the first place, to the Greek classics; whereas Sir Joseph Thomson declared, in his published reminiscences, that he regarded the time he himself had spent over Greek as wasted. Those who desire the help of this mutable and elusive entity behind the counter may fairly be requested to define its functions with some precision. Cultural requirements in Mayfair might differ from those in Bermondsey. Courses of study for a diploma in this subject might form a terrifying addition to examination syllabuses and codes of ethics. On the necessity for a good education we are all agreed: when there is a discussion on the superstructure, I should like to put in a plea for what has been called mental detachment, the subject of an attractive essay by the late Sir Herbert Maxwell many years ago.

Xrayser

LEGAL REPORTS

Gaoled for Camera Frauds.—At Bath Quarter Sessions, on July 14, William John Livingstone was sentenced to twenty-one months' imprisonment on six charges of stealing sums of money by advertising cameras for sale under a box number and receiving the money without supplying the goods (see *C. & D.*, June 10, p. 614).

Pharmacy Act Offence.—At Doncaster, recently, Reginald Edwards, M.P.S., a munitions worker, Grove Coach Road, Retford, was fined £10, with £6 6s. costs, for selling vegetable tablets containing a poison (hyoscine), not being an authorised seller of poisons and not effecting the sale under the supervision of a registered pharmacist. Edwards was stated to own several shops in the Doncaster district, one of them at St. Helen's Road; some of them were not under the supervision of registered pharmacists. He had been drafted into war work and, during the last three years, he had, with an eye to the future, bought four shops in South Yorkshire. The chairman said the Bench thought Edwards was taking a considerable risk in running the shops; in view of complaints which had been received they must take a serious view of the case.

Illegal Manufacture of Puffs.—At Abergele police court, on July 15, fines and costs totalling £74 10s. 6d. were imposed on Agnes Taylor, Unity Stores, Kinnel Bay, Rhyl, on twenty-seven convictions of illegally manufacturing and supplying, among other items, lotion pads, powder puffs and face-cloths. It was stated that, in April 1943, Mrs. Taylor was fined £250 and costs at St. Asaph for illegally manufacturing powder puffs. Defendant said she found herself in a state of chaos at having to pay a previous fine of £250. She contended that a Board of Trade official had given her permission to sell the goods in order to pay the fine, and she thought she was in order in selling what goods she had in hand after being previously convicted. The Board of Trade, she alleged, were simply prevaricating with her.

Committed for Trial.—After charges against Major King and Arthur Stewart Lloyd, M.P.S., the District Pharmacy, Penygraig, Rhondda, of conspiring to do acts which would mislead the officers of certain of H.M. ships had been heard at Cardiff police court, recently, both defendants, who pleaded not guilty, were committed for trial.—At Bow Street, London, police court, recently, Herman Stanley Alar,

a coloured medical student, was committed for trial on a charge of using the name of Dr. Eustace Alar-Akwei, making a statement on oath at a Maidenhead police court that he had procured 4 oz. of cocaine solution from a doctor at Maidenhead, and obtaining a sum of money by false pretences. Evidence was given by a doctor at Maidenhead Voluntary Hospital, who said he secured a post as resident medical officer by representing himself to be a qualified medical practitioner, to obtain the post from a local chemist.

E.P.T. Appeal Allowed.—In the Court of Appeal on July 11, Mr. Ralph Carr, of 22 Church Street, St. Helens, appealed a decision given in the Revenue Commissioners' Bench Division, London, on April 22 (see *C. & D.*, April 8, p. 384), that he was not exercising a profession within the meaning of the Finance Act. Appellant practised as an optician at Church Street, St. Helens. He claimed that his profits were derived from fees paid to him for fitting spectacles given to patients as to the appliances necessary for improving their eyesight, in assembling such appliances to his own prescription, and for subsequently supplying appliances to his patients. The fee was an inclusive fee covering both the appliances and appliances without differentiation of cost between them. He did not advertise in any way and the articles he displayed in the window of his premises were not for sale. On these grounds he contended that he came within the exception provided by Section 12 (3) of the Finance Act, 1939, on the ground that he was carrying on a profession of which his profits were wholly or mainly dependent on his personal qualifications. Mr. Macnaghten held that the appellant was carrying on a trade or business. Justice Scott gave judgment that the appellant did not depend on the consideration of a general proposition, but solely on the question whether the conclusion of the general commissioners of income tax was based on evidence which would support it. In the present case the facts were adequate to justify the conclusion that they had arrived. The appeal was allowed. Lord Justice du Parcq and Justice Uthwatt agreed.

Surplus.—The Government's plan to dispose of surplus stores is given in the Paper just issued. Your plan should be to dispose of surplus paper without delay.

COMPANY NEWS

CHANGE OF TITLE.—Britton, Malcolm & Mark, Ltd., sundriesmen, London, have changed the trading style of company to BRITTON, MALCOLM & Co.,

CHAMBERS PILLS, LTD.—Trading profits for year ended March 31 amounted to £560, compared with £1,269,334 in previous twelve months. Taxation £1,100,706, against £865,849, leaving profit of £373,448, compared with £57. During the year three interim dividends were paid aggregating 32 per cent. or 2 per cent. more than paid on each of the previous twelve months. Results of the various companies of group are as follows:—

CHAM-MACLEAN HOLDINGS, LTD.—Income for year ended March 31 was £209, against £395,860; income tax, £38 (£195,739); total ordinary dividend 25.4 per cent. (25.15 per cent.).

CHAM-MACLEAN, LTD.—Profit for year to March 31, £404,273 (£363,700); taxation, £109 (£197,010); total ordinary dividend 34.8 per cent. (27 per cent.), carried forward, £1,8207 (£7,479).

CHAM-MACLEAN PROPRIETARIES, LTD.—Profit for year to March 31, £316,704 (£274,779); income tax, £165,072 (£140,193); total ordinary dividend, 22.4 per cent. (19.4 per cent.).

SHERLEY & Co., LTD.—Profit for year to March 31, £13,064 (£7,324); income tax, £676 (£2,251); dividend on deferred shares 38.5 per cent. (nil); carried forward, £2,168.

ST-VITE, LTD.—Net profit for year to March 31, £160,051 (£134,947); total dividends, 16s. 8d. per share (15s. per share); carried forward, £27,772 (£27,471).

WIDDO DRUG Co., LTD.—Profit for year to March 31, £578,118 (£579,681); taxation, £31 (£360,666); dividends paid, 10s. per share deferred share (same); carried forward, £16,524 (£16,154).

HARD & CONSTANCE (MANUFACTURERS), LTD.—Trading profit for year to March 31, £36,267 (£42,554); taxation, £21,407; ordinary dividend, 38 per cent.; carried forward, £6,065 (£5,943).

SIC, LTD.—Profit for year ended March 31, £147,255 (£143,181); taxation, £25,215; dividend, 10d. per share; carried forward, £4,625 (£3,892).

TRADE NOTES

New Prices.—Cheritone Co., Ltd., London, E.C.1, announce that prices for Cheritone tonic cup are now 2s. 9d. and 5s.

Distributing Agents Appointed.—Meloden tonic tablets, a product of Allied Laboratories, Ltd., London, are now being distributed by Enzyme Products, Ltd., 17 Victoria Street, London, S.W.1.

Athlete's Foot.—A bland analgesic ointment, which has proved very effective in clinical trials for tinea (athlete's foot), has been introduced by Allen & Hanburys, Ltd., under the name Tineacide.

Own-name Seed Dressings.—Lofthouse & Saltmer, Ltd., Hull, are offering genuine sulphate of copper and carbolised seed dressings in bulk or 1-lb. cartons. Their own proprietary preparation, Losall's Tent-all liquid seed dressing, is available in quart, gallon, and 5-gallon tins.

Holiday Closings.—M. BEETHAM & SON, Cheltenham, announce that their works and offices will be closed for annual holidays from Saturday, July 29, till Tuesday, August 8.—DENTAL FILLINGS, LTD., 121 Camden High Street, Camden Town, London, N.W.1, state that their office and works will be closed during August Bank Holiday week, reopening on Tuesday, August 15.

Technical Reference List.—S. B. Penick & Co. (botanical drugs), 50 Church Street, New York, have issued a comprehensive list of technical references entitled "Serials Pertaining to Pharmacognosy and Pharmacology." The booklet, compiled by Dr. George M. Hocking, chief pharmacognosist to the company, comprises two lists of periodicals with explanatory text.

Business Changes

THE DRUGS BRANCH, HOME OFFICE, is now at 52 Prince's Gate, South Kensington, London, S.W.7. Applicants for import or export licences under the Dangerous Drugs Acts must continue to submit their applications and fees direct to the Finance Branch, Cornwall House, Stamford Street, London, S.E.1, as hitherto.

APPLICATIONS FOR BUSINESS LICENCES.—The following applications have been made for licences under the Retail Businesses Order: Herbert N. Collin, to remove his business as retailer of made-up medicines and toilet goods to Garriochmill Road, Glasgow; Mrs. William Grant, to commence business as retailer of medicines and toilet goods at 94 Turnberry, Glasgow.

PERSONALITIES

SIR ALFRED WEBB-JOHNSON has been re-elected president of the Royal College of Surgeons of England.

DR. E. K. RIDEAL, F.R.S., Professor of Colloid Chemistry at Cambridge University, is the new president of the Society of Chemical Industry.

MR. RICHARD B. PILCHER, registrar and secretary of the Royal Institute of Chemistry of Great Britain and Ireland, is shortly retiring after fifty-two years' service.

BIRTH

MCQUITT. — At 5 Irwin Avenue, Belfast, on July 3, the wife of H. McQuitty, Ph.C., 190 Newtownards Road, Belfast, of a son.

MARRIAGES

ROBERTSON — MACKIE. — At Raeden, Blackhall, Edinburgh, on July 11, Joseph Robertson, M.P.S., 39 Craigmount Park, Corstorphine, Edinburgh, to Jessie Mackie.

HANN — WHATMOUGH. — At St. Mary's Church, Hendon, London, N.W., on July 15, John Penney Hann, son of the late Mr. R. T. Hann and Mrs. Hann, Paignton, to Winifred Lois Whatmough, daughter of Mr. W. A. Whatmough, Ph.C., B.Sc., F.R.I.C., M.I.A.E., 29 Grosvenor Gardens, Golders Green, London, N.W.11.

DEATHS

ALLAN. — At Moray Park, Inverness, on July 9, Mrs. Isabella Bethune Allan, wife of Mr. Alexander Allan, M.P.S.

BETTANY. — On July 1, after a long illness, Mr. Richard Henry Bettany, chairman of directors of the St. George's Chemical Co., Ltd., Grays, aged seventy-four. Mr. Bettany served the firm as partner and managing director for forty-four years.

CRAWHALL. — On July 3, Mr. Thomas Currah Crawlhall, M.P.S., 105 Low Road, Balby, Doncaster, aged sixty-nine.

FIELDING. — Recently, Mrs. Agnes Mary Fielding, Knochrea Park, Cork, Eire, wife of Mr. P. J. Fielding, M.P.S.I. (a former president of the Pharmaceutical Society of Ireland), 66 Patrick Street, Cork.

HOGG. — At Broxburn, West Lothian, on June 18, the wife of Mr. John Hogg, M.P.S., 162 East Main Street, Broxburn.

HULME. — On June 15, Mr. Frederick Hitchin Hulme, M.P.S., c/o Butchers' Arms Hotel, Nerquis, near Mold, Flint, aged sixty-eight.

HYSLOP. — On June 19, Mr. H. Tattersall Hyslop, M.P.S., 10 Bentley Road, Walshaw, Bury, Lancs, aged seven.

KELLAM. — On June 16, Mr. Edw. Henry Kellam, Petherwin, Mill R. Hethersett, near Norwich, aged seven. Mr. Kellam qualified as a chemist and druggist in 1896.

MACINTYRE. — On July 2, Mr. William Thomas MacIntyre, M.P.S., 35 High Street, Crieff, Perthshire. Mr. MacIntyre was native of Glasgow but had been in business in Crieff for a number of years. Severely wounded in the last war, he never recovered from his disabilities. He is survived by a widow.

MARIES. — On June 27, Mr. Charles Alexander Maries, M.P.S., 122 South Road, Waterloo, Liverpool, aged seventy-eight.

PALMER. — On July 4, Mr. Frank Thomas Palmer, Ph.C., Carlton, Old Bath Road, Cheltenham, aged eighty-one.

PENNINGTON. — On active service June, Trooper E. Pennington, a son of C. R. A. Pennington, Ph.C., 42 Florio Park, Redland, Bristol, 6, aged nineteen.

PICKERING. — On June 29, Mr. Aloy Cuthbert Pickering, 56 Westmore Avenue, Blackpool, aged sixty-eight. Pickering qualified as a chemist and druggist in 1922.

WATSON. — On July 1, Mr. James Watson, formerly of 585½ Gallowgate, Glasgow, aged seventy-five. Mr. Watson qualified as a chemist and druggist in 1891.

WILLS

MR. FREDERICK BURY OSBORNE, 30 Ann Street, Manchester (a director of Veno Trust), left £14,567, with net personalty £9,092.

MR. JAMES ARTHUR AYRES, manufacturing chemist, 136 Parliament Road, Bowes Park, London, N., left £9,159, with net personalty £8,556.

MR. FRANK HARRIS FULFORD, Headley Castle, Leeds (managing director of C. E. Fulford, Ltd., manufacturing chemists), left £198,912, with net personalty £185,521.

MR. BERTRAM BEAMAN HOUSTON, Cheadle, Chester Road, Hartford, Cheshire (formerly sales manager, Imperial Chemical Industries, Ltd.), left £23,559, with personalty £23,070.

PARLIAMENTARY NEWS

Economic Intelligence Service.—In the House of Lords, recently, Lord Selborne (Minister of Economic Warfare) announced that the Foreign Secretary (Mr. Anthony Eden) had decided to create, after the war, an economic intelligence branch of the Foreign Office, to take over the intelligence which of his own Ministry.

Diffusion of Disease by Air Transport.—

The Minister of Health said on July 13 that he was not aware that air transport was at present causing diffusion of disease. The risk that infectious disease could be conveyed from one country to another was recognised, and was the subject of an international sanitary convention.

Diphtheria Immunisation.—Sir W. Edgecombe, the Minister of Health on July 13, in reply of the Minister's appeal to chemists to recommend parents to have their children immunised against diphtheria, to that extent the disease was increasingly prevalent; and whether such increase was specially noticeable in any particular areas. Willink: The incidence is decreasing.

Social Insurance Scheme.—The Prime Minister stated in the House of Commons on July 11 that the Government had completed preparation of a White Paper embodying its proposals for social insurance generally, for a system of family allowances, and replacing the existing system of workmen's compensation by a new scheme. It was their present intention to publish the White Paper in time for it to be discussed in Parliament reassembled after the recess.

National Health Service.—The Minister of Health, in a written reply on July 13, gave the following details of his discussions with the medical profession on the National Health Service proposals: Preliminary discussions, on a non-committal and confidential basis, took place before the issue of the White Paper. Since the White Paper, he had received and answered a number of questions of detail from the profession's representatives; the answers to which had been published. He had hoped to begin definite discussions with the profession at the representative meeting of the British Medical Association, which was intended to be held in July, but, for reasons due in any way to the profession, the meeting had been postponed, and he appreciated that the discussions must be deferred. Meanwhile, he had studied with interest a draft statement of policy recently issued

by the Council of the British Medical Association, and there were many detailed points on which he would welcome elucidation. In particular, he would be glad to have further explanation of the Council's views upon the proposed administrative and consultative machinery, both central and local, and he was therefore inviting the Council to send representatives to discuss these and other points.

B.P.C. ANNUAL REPORT

THE annual report of the executive committee of the British Pharmaceutical Conference was presented by MR. G. R. BOYES (joint secretary). The Executive recorded its pleasure that, during the fifth year of war, it had again been possible to meet. The arrangements for the meeting had been made by a subcommittee consisting of the London members of the executive committee, with Mr. T. Marns as chairman and Mr. C. E. Corfield as secretary. The research list had not been revised for the present year, but members with facilities for additional research could obtain suggestions from the list of subjects included in the annual report for 1939.

Officers for 1945

The executive committee had nominated the following officers for 1944-45: *Chairman*, Mr. H. Brindle; *Vice-presidents*, Messrs. J. F. Tocher, D. Hooper, E. Saville Peck and C. A. Hill; *Vice-chairmen*, Messrs. F. W. Gamble, R. R. Bennett, J. H. Franklin, H. Skinner, C. H. Hampshire, F. W. Crossley-Holland, H. Deane, H. Humphreys Jones, A. R. Melhuish, and T. E. Wallis; *Treasurer*, Mr. T. Marns; *General Secretaries*, Messrs. G. R. Boyes and H. Treves Brown; *Other Members of Executive*, Messrs. H. Berry, K. Bullock, C. E. Corfield, H. Davis, G. J. W. Ferrey and D. McCall, with Messrs. J. T. Appleton, J. F. McNeal and C. Davis, nominated by the Council of the Pharmaceutical Society. The recommendations were adopted by the annual meeting. The executive expressed regret at the retirement of Mr. C. E. Corfield from the office of general secretary, and placed on record its high appreciation of the services he had rendered in that capacity during seventeen years. His experience and advice would still be available, as he was a member of the executive committee. The executive considered it inadvisable to make definite arrangements in advance for future meetings of the Conference, but would endeavour to maintain the continuity of the meetings.

AN OPEN LETTER TO LORD TRENT

YOUR LORDSHIP,

Wasn't it a little ungrateful on your part, when speaking in the House of Lords recently, to say that your company could have put all the other chemists out of business during the past twenty years? Even if it had been possible it would have been a graceless thing to do, and to talk about your magnanimity in the House of Lords was not in the best of taste.

You and yours have never been qualified chemists; your company, with others, broke down the personal qualification and secured for limited companies what had previously been personal property. Your company then built up its business by "cutting" prices. You will remember how proud your organisation was of its slogan "Cash Chemists." Your company knew that chemists in those days often had to give long credit, and it went for the ready cash business. You will also remember that about 1914 your company discovered that the "cash chemists" were not putting other chemists out of business. The National Health Insurance Act came along, and the public showed their preference for the private chemist. Since then, by various means, the public has been informed that your company are "the" chemists: the "cash" side is no longer emphasised. Your company has, in fact, taken advantage of everything that has been fought for and won by individual pharmacists. You ought to have publicly expressed your gratitude for the strong position your firm had been able to develop out of rights, qualifications and privileges won for the calling by the leaders of pharmacy during the past hundred years.

During your company's whole existence its policy has been, so far as the retail side is concerned, self-centred; when it suited your board to "cut" prices you fought the Proprietary Articles Trade Association as long as possible. Are you by any chance thinking that you could have put all the chemists out of business by smashing the P.A.T.A., and in that way ruining all your competitors? How long would your shareholders agree with such a policy when their dividends dropped, as they must if you started "cutting" all the proprietary articles your organisation sells? You may be under the impression that the individual chemists would be bankrupt by such a fight, but it may interest you to know that those in the drug trade have greater faith in the resourcefulness of individual chemists,

who lived before your company started and have continued to live. Moreover, whilst you would be compelled to "cut" every line at all your shops, the individual chemist would be under no such obligation. In addition, you would range against your company the entire trade in manufactured goods.

No, your Lordship, your statement has probably not made a single chemist anxious but it has certainly made a lot of them angry. That may not worry you, but a much better impression on the public could have been created had you acknowledged your indebtedness as a company to the calling out of which you and your family have extracted a fortune. Possibly you may be thinking that, because your company is exceedingly prosperous, your competitors must be proportionately weaker than formerly. If so, dismiss the idea from your mind. Chemists generally, including your multiple-chemist competitors, are better off financially (and there are more of them) than they were when your company opened its first shop. That is a fact which can be explained, but it proves that your company's efforts in the past to get all the business have failed, and will do so in the future. Your statement in the House of Lords will galvanise chemists into more effective competition in the future, with unfortunately, more antagonism between the two sections of retail pharmacy.

This is regrettable, because unity in the calling locally and nationally is very desirable, for many reasons, at the present time. Your company could be really helpful, and in that way express appreciation of the benefits from which it has derived such enormous profits and advantages. Are you and your company prepared to give co-operation for the good of the calling as a whole, and not, as at present, only when it is advantageous to yourselves?

Yours faithfully,

G. A. MALLINSON, Secretary,
National Pharmaceutical Union.

Trade Synonyms.—"The use of the expression 'in short supply' can hardly have passed unnoticed by anyone who deals with goods of any kind. It seems to be one of those expressions which are loved by the large number of people who like to use several words where one will do. The one-word synonym for the expression is 'scarce.'"—MAJOR D. J. WALLACE in "The Times."

STILL VERY MUCH IN BUSINESS!

A Selection of Letters from Proprietor Pharmacists in Reply to Lord Trent

IN the House of Lords, on July 5, Lord Trent (chairman of Boots, Ltd.) stated, in the course of a debate on employment policy, "My own firm could, had we wanted, during the last twenty years, have put the whole of the chemists trading in this country out of business, but it would not have been right and would not have helped employment. It is a thing you just do not do." Chemists who have built up, or assisted in building up, successful businesses of their own are not in agreement that they could so easily have been put out of action, as the following statements show:—

Mr. F. Harold Webber (*Rossiters, Tiverton*)

I feel sure that all chemists in business are grateful to Lord Trent and his business colleagues for sparing us from being pushed out of business. Whew! What an awful danger we have escaped! I am particularly grateful to him, but for a different reason. Doubtless had he not opened one of his fancy shops in my town, I should not have modernised my premises and more than doubled my turnover, at any rate not for some years. Besides, I like his library; so do many of my customers apparently, judging by the number of Green Shield books I see under their arms in my pharmacy. We must be very careful not to get "in his bad books" in the future. Very careful indeed!

Mr. John Rae (*Clay & Abrahams, Ltd., Liverpool*)

I feel sure that the statement which Lord Trent is reported to have made in the House of Lords is to a very great extent one of wishful thinking. The backbone of this country for generations has been the small trader, and both Parliament and people have always been highly critical of anything which in any way is suggestive of a monopoly. . . . The individual pharmacist's hold on the public is very strong; he is trusted in much the same way as is the medical man, and there is that indefinable link between the proprietor pharmacist and his customer which in most cases is lacking when dealing with a multiple shop, however good its service and the efficiency of the management. Numerous cases are known where chemists who have refused to be intimidated by multiple firms into selling out have found that when such firms finally open in competition their own returns have gone up, as the other forms of merchandise which such firms sell have increased the shopping population.

T. Heselaine (*Normanton*)

My first reaction as a practising pharmacist to the recent utterance of Lord Trent in the House of Lords was one of relief that he had spared my business, but on reflection I came to the conclusion that I had been blithely unconscious of the danger, and that I might continue to hold my own in future, even though his organisation is my nearest competitor. Lord Trent has since amplified his statement in the House of Lords by saying in the London "Evening Standard" that he wants us to remain in business, because fair competition maintains the efficiency of his company. I can promise his Lordship that I will take him and his company more seriously in future, and keep my own position secure whilst providing him with the competition which he prefers. I advise all practising pharmacists to do the same, and to join with me in thanking his Lordship for rousing pharmacists so thoroughly. Most of them were quite unaware that the "gate crasher" into their calling now regarded himself as the "gate keeper."

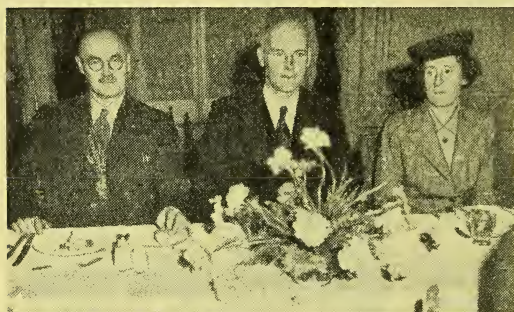
A. H. Hale (*Bath*)

Lord Trent's amazing statement that his firm could, had it wanted, have put the whole of the chemists trading in this country out of business, proves that he does not possess the experience that his father had from being behind the counter. I feel sure that the first Lord Trent would never have made so sweeping a statement. My own experience, on returning to retail pharmacy in England after an absence of twenty years, has brought home to me what a large amount of confidence is still felt by the British public in the private retail pharmacist. For example, customers continually ask and readily accept advice concerning nationally-advertised proprietaries. Before the war of 1914-18 I was assistant in a business in London surrounded by cut-price stores. To this district came Messrs. Boots, who opened a branch a few doors away. The business I was in continued to flourish, and returns actually went up, yet we did not attempt to compete with Boots' prices in dispensing or drugs. No, sir! The private proprietor pharmacist will continue to flourish because of his personality and the service he gives to the community.

[Other letters are held over for lack of space.—EDITOR]

BRITISH PHARMACEUTICAL CONFERENCE

London 1944



1. Mr. F. G. Wells (president of the Pharmaceutical Society), Mr. H. Brindle (chairman of the British Pharmaceutical Conference) and Mrs. Brindle.



2. Mr. and Mrs. A. R. Melhuish.
3. Mr. and Mrs. T. Marns and Dr. C. H. Hampshire (secretary, British Pharmacopoeia Commission). 4. Mr. H. I. Linstead, O.B.E., M.P. (secretary of the Pharmaceutical Society). 5. Mr. C. E. Coffield. 6. Dr. G. R. Boylston (joint general secretary of the Conference).





THE CONFERENCE LUNCHEON AT THE WALDORF HOTEL, LONDON

Mrs. G. R. Boyes and Mr. R. R. Bennett. 8. Mr. and Mrs. H. Skinner. Mr. and Mrs. W. S. Howells and J. H. Berry. 10. Dr. T. E. Wallis, J. H. Deane and Mr. F. W. Adams (deputy secretary of the Pharmaceutical Society). 11. One of the "spur" tables.



SCIENCE PAPERS AT THE CONFERENCE

Summaries of the science papers submitted at the annual meeting of the British Pharmaceutical Conference on July 11

(Continued from C. & D., July 15, p. 75)

The Stability of Vitamin C in Blackcurrant Syrup

By FRANK WOKES and JOAN G. ORGAN

IN previous communications the authors gave the results of experiments on the stability of vitamin C in different fruit syrups and fruit preparations widely used as sources of this vitamin. In the present work on blackcurrant syrup they found that the rate of loss of vitamin C was affected by the degree of exposure to air and light, and by storage temperature. In bottles not more than half full the rate of loss might be two or three times that in bottles filled as completely as was practicable. In white glass bottles exposed to sunlight the rate of loss might be two or three times that in the same bottles wrapped in light-proof paper. Amber glass might not afford complete protection against this photochemical action. The rate of loss at 37°C. was nearly three times that at 27°C., and the rate of loss at 27°C. was about three times that

at 17°C. In "completely filled" stored for ten months in the dark refrigerator (average temperature there was a loss of about 7 per cent. on the basis of the above findings the authors recommend that fruit syrups used as source of vitamin C should be labelled in directions to be stored in the dark in place, and that the consumer should be advised to use the whole of the container within a month or so of opening the lid. By this means the loss of vitamin C from one season to another should be limited to 20 to 40 per cent. in this country under tropical conditions dried products are preferable. Apparent vitamin C grade has been developed, especially if much pectin is present, when it might seriously affect the results of experiments. (From the Commonwealth research laboratories.)

The Histology of Belladonna Root: Part I.—*Atropa Belladonna* Linn.

By COLIN MELVILLE

BELLADONNA root, as described in the Fifth Addendum to the British Pharmacopœia, 1932, consists of the root of either *Atropa Belladonna* Linn., or *Atropa acuminata* Royle ex Lindley (*Indian Belladonna*), with a limit of 10 per cent. of root stock and stem base in the former and 25 per cent. in the latter. The histology of the root of *A. Belladonna* is somewhat casually described in the standard books of reference. A brief account of the root stock and stem base appears in the British Pharmacopœia Commission's Reports of Committees No. 13, but no reference to the stolon also found in the commercial drug can be traced. No description of the histology of *A. acuminata* appears to have been published. It therefore appeared desirable to prepare a detailed illustrated account of all the structures occurring in the commercial drug, with the object of comparing the drugs from both sources and determining, if possible, characters by which the presence of root stock, stem base and stolon may be detected in the powder. The present report deals with *A. Belladonna*, the commercial drug and fresh material from one-year-old, three-year-old and five-year-old plants being included.

The root stock, stem base and stolon are anatomically unlike the root in position. The root stock is a pericycle, a perimedullary phloem sheath, a pith. The pericycle and perimedullary phloem contain scattered groups of 1 to 2 fibres; in the root stock and stolon the fibres are septate and up to about 4.5 mm. in length; in the stem base they are simple and up to about 2 mm. in length. In addition certain cells of the phloem, secondary phloem and pith of the root stock, and of the cortex of the stem base and stolon are lignified. In the root stock and stolon the xylem, unlike that of the stem base, consists of a dense cylinder. The main differences between the elements composing the xylem of the root stock and the root are (a) Root stock—the vessel elements are shorter than those of the root and often irregular in shape; (b) Root stock—the xylem fibres are more abundant and frequently contorted and bifurcated; (c) Root stock—the vessel elements are long and narrow, narrower than those of the root, sometimes spirally thickened; the xylem fibres are more abundant and longer, i.e. 1-2 mm.; (d) Stolon—a few spiral vessels. A parallel examination of the root stock, stem base and stolon of

onna; which the author has completed, revealed no significant anatomical differences between the two drugs, the differences being of degree only. The con-zonation of the xylem in three-to-four-

year-old roots of *A. Belladonna* is of interest in its resemblance to the marked zonation in the root of Indian belladonna. (From the research laboratory of the School of Pharmacy, Leicester.)

The Assay of Belladonna and of Some Other Solanaceous Drugs—Determination of Hyoscyamine, Atropine and Hyoscine

By JACK MARRIS ROWSON

Determination of the individual alkaloids, hyoscyamine and atropine. A process already described of equivalent precision at pH 8.5 has been applied to a number of samples of drugs containing these alkaloids, both cultivated and obtained from commercial drug houses. The influence of conditions of collection, drying and storage have also been examined. The author found that alkaline extraction of a pressed drug does not result in appreciable racemisation of *l*-hyoscyamine if precautions are observed. Fresh drugs containing *l*-hyoscyamine should be rapidly

dried at $55^{\circ}C$. to minimise racemisation. There is some evidence to suggest that the proportion of atropine to total alkaloid is conditioned by the degree of maturity of belladonna leaf when collected. The individual alkaloidal contents of a number of drugs containing the mydriatic alkaloids have been investigated. The hyoscine content of each species appears to be characteristic. Breeding experiments with plants containing the mydriatic alkaloids are being continued. (From the Departments of Botany and Pharmacy, University of Manchester.)

The Preparation of Compressed Tablets: II.—The Measurement of the Rate of Disintegration of Compressed Tablets

By H. BERRY and A. NUTTER SMITH

A paper read at the Conference in 1939, the authors described a method for measuring the rate of disintegration of compressed tablets using a weighted wire which cut through the tablet as the softened whilst immersed under water. This method, however, was rejected as standard. The new method described in this paper is an attempt to standardise the method of shaking and to maintain uniformity in all other conditions. It requires that the tablet be placed in a test-tube (6 in.), with distilled water at $37^{\circ}C$. so within $\frac{1}{2}$ in. of the cork or stopper. The volume of air in the tube should be approximately constant so as to standardise the degree of turbulence during shaking. The test-tube is then sealed and immersed in a water-bath at $37^{\circ}C$. and is inverted at such a speed that the tablet travels through the water without touching either end of the tube. It is claimed that the constant falling movement of the tablet through the water (which condition is attained by regulating the speed of rotation of the tube) produces approximately standard conditions of agitation which would give reasonably constant results. The time taken for complete disintegration or solution of the tablet is noted. In order to ascertain the reliability of the

test in producing concordant results with different workers, a series of tablets batches from one maker only were examined first of all, each batch being divided into two, and the test applied by each of the authors working independently at $18^{\circ}C$. and at $37^{\circ}C$. Slightly different methods were employed by each worker for inverting the tubes. In one device the tubes were fixed in a rack revolving on a transverse axle, the rack being immersed in a water-bath thermostatically controlled at the requisite temperature. The tubes were immersed for about three-quarters of their length and the axle rotated by electric motor at the optimum speed. In the other device the tubes were fixed transversely on the periphery of a wheel, fixed vertically in the water-bath and the axle immersed just below the surface of the water, the wheel being rotated by means of a water turbine. Although the arrangements for causing the tablets to move in the water were different, the actual conditions of movement were the same, for each tablet moved up and down in the column of water.

By either method several tablets can be tested simultaneously. The results of these tests are given in a table. (This work has been done at the request of the British Pharmacopœia Commission.)

(To be concluded)

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CXLII JULY 22, 1944 NO. 3363

Fact that goods made of raw materials short supply owing to war conditions are mentioned in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Delay in N.H.I. Payments

COMPLAINT, not a new one by any means, has been reached us from a subscriber regarding delay in receiving his monthly payment on National Health Insurance accounts. In business in an area until recently referred to as "Southern England," he states that from June 1 he received his cheque for quarterly dispensing and that up to July 6 accounts for March, April and May were unpaid. War conditions and shortage of staff may be put forward as a reason for delay in settlement, but they are hardly adequate when the time lag amounts to as much as three or four months. The payments are partly for professional services. Chemists have to pay their staffs weekly or monthly; they have to settle their wholesalers' accounts monthly, and doubtless all their domestic and living expenses daily or monthly. The limit of delay they should have to experience before their fees are paid is one month. If circumstances are such, at the present time, that it is not possible to complete N.H.I. accounts and make payment within this period, the system should be adopted of sending a cheque for a round sum each month, adjusting the payment by adding the balance to the cheque for

the following month. Where, for instance, the average monthly N.H.I. payment made to a pharmacist has been, say, £15 he should receive a cheque for £12 (four-fifths) on account within fourteen days, and the balance, which may be slightly more or less than £3 each month, added to his cheque on account a month later. In this way he would receive payment for the bulk of his account in good time. Delay beyond this point to something like four months is inexcusable. By delayed payments he is, in effect, financing the scheme. The number of N.H.I. prescriptions dispensed in England and Wales in 1943 was 69,726,000. Taking the average cost at 11d. (ingredients and dispensing fee) the total amount paid to pharmacists was £3,195,775. There is a unanimous demand for a more equitable rate of payment for dispensing. To that should be added the demand that all payments should be promptly made.

Profession or Trade

A DECISION given in the Court of Appeal on July 11 (see p. 82) centred upon whether a dispensing optician was exercising a profession within the meaning of the Finance Act, 1939. If it should be decided that he was, he would not be assessable in respect of excess profits tax. If, on the other hand, he was carrying on a trade, he would be liable for tax on profits in excess of those made during the twelve months' standard period.

The appellant's case, as argued originally before the general commissioners for income tax in his area, had been that his profits were wholly derived from fees paid to him for (a) advice given to patients; (b) assembling optical appliances to his own prescription; and (c) subsequently supplying the appliances to his patients. His fee was an inclusive amount covering both the advice and the appliances supplied, without differentiating the cost between them. He did not advertise in any way, and the articles which he displayed in the windows on his premises were not priced for sale. The general commissioners accepted the substance of this view, but their decision was negatived by Mr. Justice Macnaghten in the Revenue Court of the King's Bench Division on March 22 (see *C. & D.*, April

8, p. 384). Lord Justice Scott, in pronouncing judgment in the appeal against the lower court's decision, said that the case did not depend on the consideration of any general proposition, but solely on the question whether the conclusion of the general commissioners was based on evidence; the facts were adequate, he declared, to justify the conclusion at which they had arrived. In other words, while he ruled that the appellant was exercising a profession, the decision is not to be taken to apply to opticians in general.

Nevertheless the ruling is, in our view, indirectly of much wider application than to an individual taxpayer on a particular point of law. It will be recalled that when, on March 22, Mr. Justice Macnaghten gave the decision now reversed, he declared:—

"A man could test his own sight by seeing whether he could read Bradshaw. If he could not it did not require very much knowledge of lenses or sight to decide what spectacles were required."

To anyone with the most elementary knowledge of optics the statement will appear fantastic. By the same token, a man would know, by experiencing a pain in the stomach, that he was suffering from gastric trouble, and it would then be a simple matter for him to resolve it by trying in turn various indigestion remedies. If the trouble were really appendicitis, that would be just too bad! The important point about Mr. Justice Macnaghten's decision, however, is not so much that it was ill-informed as that it affected every optician who engages in sight-testing, and not merely one. It is therefore a matter for satisfaction that the verdict now given in the Appeal Court has the indirect effect of expunging the rather curious finding referred to.

Divided We Fall

PHARMACISTS who have the abiding interests of the craft at heart can hardly fail to view with some disquiet the expressed intention of the organised employees (*C. & D.*, July 15, p. 54) to make a separate approach to the Ministry of Health upon the form the pharmaceutical arrangements are to take under a National Health Service. Their spokesman at Newcastle gave as the

reason for this decision the inability of the joint consultative committee of the unions concerned (i.e. the Association of Pharmaceutical Employees, Association of Scientific Workers, and National Union of Distributive and Allied Workers) to "accept the view that the Joint Standing Committee (of the Pharmaceutical Society and National Pharmaceutical Union) as at present constituted, can speak for employees."

The Standing Committee

We must admit that there is some justification for this attitude. There is only one pharmaceutical body of which pharmacists of all sections are members, and that is the Pharmaceutical Society. Other factors being present, the Society would be the obvious choice as spokesman for the whole of the profession. But, for reasons to which we have repeatedly drawn attention, and which are the result of impediments occasioned by the Charter under which it operates and the fact that it has responsibilities towards the Government as well as to its members, the Society is at a certain disadvantage in negotiation. Conscious of this, the Council of the Society called in the assistance of a body (the National Pharmaceutical Union) which is entirely free to devote itself exclusively to the interests of its members, and between them—omitting for a moment a partner concerned solely with Scottish interests—the two created a Pharmaceutical Standing Committee. The N.P.U., however, represents a sectional interest. The fact that it is an important section, with a considerable interest, only accentuates the unrepresentative character of this most recent of committees. Members of the Society who happen to be employers are doubly represented, first as members of the Society and secondly as members of the N.P.U., but all other members have their representation proportionately reduced. Indeed, the position is aggravated by the fact that so many Council members are, since the recent election, also members of the N.P.U. Executive. Not surprisingly the employees feel that their viewpoint has little chance of being adequately presented.

It is not on record, so far as we are aware, that the employees have applied for admission to the Standing Committee and been

turned down, but the Committee's exclusive attitude towards other sections of the craft is indicated in the report of a meeting of the Guild of Public Pharmacists (*C. & D.*, June 10, p. 628), where it is recorded that "a reply from the Society to a previous communication on the subject" (of Guild representation on any joint committee discussing the White Paper proposals) "was considered unsatisfactory." Add to this the complacency felt in Scotland that, whatever the attitude of the Standing Committee, Scottish pharmacists can make their own approach to the Government, and the result is a gloomy picture of centrifugal influences at work in the profession. The outcome is likely to be that pharmacy will speak with many voices instead of one.

We are concerned, even at this stage, to dam separatist tendencies and bring about a real and productive unity based on the fullest measure of agreement among all pharmaceutical interests. To achieve this aim presents practical difficulties to which earnest consideration should be given by all concerned. It is not feasible to go back to the Pharmaceutical Council as the sole negotiator; the barriers to decisive action cannot be so easily removed. A little more hope is offered by the opening of the Standing Committee to employees, but until they themselves show a greater readiness to support their own organisations there is no confidence that any person or persons can speak on behalf of a majority of them. The hospital pharmacists are better organised, and certainly without conflicting representation, but they are relatively so few in number that a single member of the Standing Committee would more than adequately satisfy their just demands.

Representation Proportionate to Strength

What is wanted is unquestionably an *ad hoc* body on which employers, retail employees, and public employees are represented in accordance with their numerical strength. No pharmacist could then claim that his interests were unrecognised. A large common ground could be found, we are convinced, and if there should prove to be matters beyond compromise, as a last resort the unsatisfied could present minority reports. The difference between separate

and minority reports is profound and significant. The one bespeaks disunity, and the other, at the very worst, proclaims that intention or will to co-operate was present. Against the first, the principle of "Divide and rule" can be successfully operated. Against the second there is no such opportunity.

Let each grouping in pharmacy recognise its subsidiary importance to the whole, but let all find expression in a united forum. From this can go forth a clear call that will, on the one hand, claim a just place for pharmacy in the scheme of things, and on the other, offer the greatest contribution the calling can make to the health and welfare of the public.

Essential Oils Re-exports

DETAILS of an officially sponsored scheme for the re-export of imported essential oils, were recently made available to the trade by the Essential Oil Importers' Section of the London Chamber of Commerce (see *C. & D.*, July 15, p. 62). It is proposed that the first releases of oils against export licences shall commence on August 1, and that, for the first quarter in which the scheme will operate, two important essential oils—distilled lime and eucalyptus—will be made available for export. It is, of course, not known how much oil is likely to be released from time to time, but the use of the words "reasonable quantities" seems to indicate that the re-export business now made possible under the scheme will not be insignificant. Early information to the trade on the kinds of oils to be made available for export is promised, but exporters are reminded that, when inviting orders from overseas, they should make it clear that acceptance depends on the issue of an export licence. Provision is made in the scheme for information on the prices to be charged to exporters to be communicated by circular. The success with which the main Essential Oils Control Scheme, also under the auspices of the Essential Oil Importers' Section of the London Chamber of Commerce, met a difficult supply position with complete fairness, is a guarantee that the new scheme will work satisfactorily to all concerned.

MEDICAL ABSTRACTS

Sulphonamides in Bacillary Dysentery.—Scadding ("Lancet," June 17, p. 784) examined the relative therapeutic effects of sulphaguanidine, sulphapyridine, and sulphanilamide in 385 cases of mild bacillary dysentery. He found the drugs of equal efficacy, but sulphaguanidine had the advantage that it seldom caused unfavourable side-effects.

Anti-typhus Drugs.—Used according to a technique described by the authors, *p*-sulphonamidobenzamide hydrochloride is found by Andrewes and others ("Lancet," June 17, p. 777) to have a definite action on infection of mice with rickettsiæ of murine and epidemic typhus. The drug is effective when given intraperitoneally, subcutaneously, or with food. *p*-Sulphonamidobenzamidoxime hydrochloride is equally or even a little more effective, while ten other closely-related compounds show activity of lesser degree.

Scabies Treated with Soap.—The treatment of human scabies by repeated use of tetraethylthiuram monosulphide (tetmosol) soap in circumstances in which it is not practicable to employ standard methods of treatment, is suggested by Gordon and others in the "British Medical Journal" (June 17, p. 803). Repeated use of the soap was found to give 80 per cent. of cures in established cases of scabies, and emphasis is laid on the simplicity of the procedure involved, making it especially suitable for use in communities disorganised as a result of the war. Incidence of dermatitis following the use of the soap for short periods was low, and was also found low among persons tested over a much longer period.

Sulphonamides in Urine.—A rapid and simple test for the presence of sulphonamides in urine is reproduced in the "Bulletin of War Medicine" (1944, I, 302), from the "United States Naval Medical Bulletin." One drop of urine is placed on newspaper and one drop of 5 per cent. hydrochloric acid added. The percentage sulphonamide concentration is indicated immediately, as follows:—

Faint yellow	0.01
Deep yellow	0.05
Orange yellow	0.10
Orange	0.50

The centrifuged urine deposit may also be examined microscopically for sulphonamide crystals. The test is given by all sulphonamides and depends on the yellow colour obtained when an acid solution of an aromatic amine is added to lignin.

INSURANCE ACT DISPENSING

Derbyshire.—The Insurance Committee recently considered a complaint by North Midlands Pricing Bureau of confusion arising from the simultaneous use by different chemists of formulas in the original revised National War Formularies. Committee was invited to draw the attention of doctors to a notice in the revised Formulary that prescribing by short name should be confined to preparations in N.W.F., B.P., or B.P.C., and the Committee agreed to adopt this course.

Hertfordshire.—The Insurance Committee at a recent meeting passed a resolution supporting the view expressed by the Pharmaceutical War Committee that sons who might be used to replace fathers under thirty called to the Forces could be spared without seriously endangering the pharmaceutical service in the county. It was felt that the position in regard to pharmacists in the county was getting serious, and, if the service was depleted further, there might be unfortunate consequences to the insured population.

Isle of Ely.—Members of the Insurance Committee were informed by the County Council at a recent meeting that the number of prescriptions per insured person in the county was one of the highest in the country. One member suggested posters bearing slogans as a means of reducing the number, but it was pointed out that people might resent being told by such a method to take less medicine.

Somerset.—During the year ended December 31, 1943, 510,837 prescriptions were issued to insured persons in the county. The total cost was £26,729 and the cost to the insured person 4s. 3d., the average cost per prescription being 1s. 0½d., of which 1s. represented the cost of drugs. The prescription frequency was at a level of rather more than four scripts per head of insured population.

South-west Lancashire and Cheshire. The following table gives comparative data of prescriptions dispensed in the county in the period 1939-43:—

Year	Prescriptions	Total cost
1939	4,939,455	£176,460
1940	4,753,663	188,180
1941	4,124,037	179,520
1942	4,331,927	197,830
1943	4,841,696	231,430

PHARMACEUTICAL SOCIETY OF IRELAND

C. J. CREMEN (president) occupied the chair at a meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on July 11. Other members present were Messrs. J. K. Whelehan, P. C. Cahill, B. O'Sullivan, P. Brooke-Kelly, M. J. Ryan, and T. C. Scott; Sir T. Robinson; Messrs. J. Gleeson, H. P. Corrigan, J. Kissane, W. C. Cunningham, and W. P. Boyd. On the motion of THE PRESIDENT, seconded by MR. WHELEHAN, the Council passed motions of sympathy to Miss F. M. Flood (a member of the Society) on the death of her mother, and to Mr. P. J. Fielding, Cork, on the death of his wife.

Registration Resolution Approved

A letter dated June 28, the Assistant Secretary, Department of Justice, wrote: "I am directed by the Minister for Justice to return herewith one copy of the resolution adopted by your Council on June 13, 1944, together with certain amendments in the regulations for your Society's Preliminary examination having the Minister's approval passed thereon. The resolution will be published in 'Iris Oifigiúil,' and copies will be presented to both Houses of the Oireachtas in due course." The motion, which had been proposed by THE PRESIDENT, and seconded by MR. WHELEHAN, was carried on the motion of the show of hands, with Messrs. J. A. Burke and T. B. O'Sullivan against, in the following terms:—

That the Preliminary regulations be amended as follows:—

1. That on and after July 1, 1944, the Preliminary examinations recognised by the Society be:—

(a) The Matriculation examination of the National University, provided that the certificate shows that the candidate has passed in the subjects of Irish, English, Latin, mathematics and another subject.

(b) The Leaving Certificate examination of the Department of Secondary Education, Eire, provided that the certificate shows that the candidate has passed in the subjects of Irish, English, Latin, mathematics and another subject.

That the Preliminary regulations, p. 67 of the Book of Acts and Regulations, and the regulations under the heading "Examinations—Preliminary Examinations" (pp. 67 and 68) of Book of Acts and Regulations be rescinded as from the day of July 1946, and that the following regulations come into force on and from the date, July 1, 1946: That a register of persons intended to serve an apprenticeship to a Pharmaceutical Chemist, a Licentiate Apothecary or

a firm of Pharmaceutical Chemists, as prescribed by Section III, pp. 71, 72 and 73 of Book of Acts and Regulations, shall be kept by the registrar. This shall be known as the Preliminary Register. No person's name shall be entered on this register until he or she shall have passed a Preliminary examination as set forth in these regulations, and a Pre-registration examination, unless exempted, as also set forth in these regulations, and shall have paid the prescribed fees.

The schedule in said register shall contain: Registration number. Name and address of person. Date of birth. Date and particulars of examinations. Date of registration. Candidates will be registered as from the date of the next Council meeting following their application to be registered. Applications for registration must be made seven days before the date of Council meeting. The fee for registration shall be £4 4s.

In addition to the Preliminary examination, candidates for Preliminary registration must also pass a Pre-registration examination in physics and chemistry conducted by the Society. The standard of this examination shall be approximately that of the Leaving Certificate examination in chemistry and physics.

The examiner in physics shall be a professor or lecturer in physics in a University. The examiner in chemistry shall be a professor or lecturer in chemistry in a University. The fee for examination shall be £1 11s. 6d., of which half a guinea shall be paid to each examiner. The examiners shall be paid a minimum fee of £5 5s. each. The examination shall be held at least annually, at such times and in such places as the Council may by resolution direct. Any candidate who has passed in chemistry and physics in his Preliminary examination shall be exempt from passing the Pre-registration examination.

Delete Regulation I, Pharmaceutical Licence examination, p. 70 of Book of Acts and Regulations, as from July 1, 1946, and enact in lieu thereof: "Candidates presenting themselves for this examination must be twenty-one years of age, and have passed the Preliminary examination, and in the case of candidates commencing the service required by Regulation III (p. 71 *et seq.*) on and after July 1, 1946, have passed the Pre-registration examination (unless exempted under the Preliminary regulations) prior to the service required by Regulation III. All candidates commencing the required service on and after July 1, 1941, must have their names entered on the Preliminary register within sixty days of commencing said apprenticeship."

Amend "Regulations for the qualification of Assistants to Pharmaceutical Chemists." Delete Regulation I (p. 68 of Book of Acts and Regulations) and enact in lieu thereof: "Candidates presenting themselves for this examination must have passed the Preliminary examination and, in the case of candidates commencing the service required by this regulation on and after July 1, 1946, have passed the Pre-registration exam-

ination (unless exempted under the Preliminary regulations) prior to the service required by this regulation. They must have been engaged as an apprentice or assistant to a Pharmaceutical Chemist, firm of Pharmaceutical Chemists, or Licentiate Apothecary for a similar term or terms and under similar conditions as is required for candidates under the Licence examination regulations, Reg. III (p. 70 *et seq.* of Book of Acts and Regulations)."

Amend Regulation IV, p. 69, by deleting the words "have been engaged at practical pharmacy for at least four years, and must."

Amend Licence examination Regulation III (d). Insert in line seven, after the word "examination," "and in the case of candidates commencing the two years' service on and after July 1, 1946, the Pre-registration examination (unless exempted under the Preliminary regulations)."

MR. BROOKE-KELLY suggested that a summary of the important changes now made in the Preliminary examination regulations should be circulated to the members of the Society. THE PRESIDENT said he proposed to refer to the matter at the next annual meeting of the Society. In addition to publication in the pharmaceutical Press, it might perhaps be advisable to have something published in the daily Press for the information of parents and others sending young people into pharmacy. It was agreed to have members of the Society circularised notifying them of the important changes made.

Prosecutions

Mr. John J. Gaynor (law adviser), reporting on proceedings taken against Patrick Teehan, Kilkenny, recently, stated that two summonses had been issued, one under Section 17 of the Pharmacy Amendment Act, 1890, and the other under Section 2 of the Poisons Act, 1870. His correspondents had reported that the Justice, having heard evidence, had imposed a fine of 5s. on each summons and allowed £4 expenses and costs. Reporting on a prosecution of Walsh's Medical Hall, Ltd., Howth, Mr. Gaynor said: "This came on on June 19. There was one summons under Section 17 of the Pharmacy Act to which the defendant pleaded guilty. The Justice said he regarded the matter as serious, and expressed his intention of fining the defendant £10 and £2 2s. costs. I had to point out that the maximum fine under the Section was £5, which sum the defendant was fined, together with £1 1s. witness's expenses and £2 2s. costs."

A communication was received from the British Pharmacopœia Commission, notifying the following amendment: "Oleum

hippoglossi-halibut liver oil. See Fourth Addendum to the B.P., 1932, p. 23. The requirement for iodine value of glycerides is changed from '112 to 113' to '112 to 150'."

Membership and Registration

The following changes of address were notified: Miss M. Daly, M.P.S.I., Assistant, to 41 Northumberland Road, Ballsbridge, Dublin; Mr. T. J. Kennedy, M.P.S.I., to 78 Main Street, Cashel, co. Tipperary; Miss A. R. Maguire, M.P.S.I., Assistant, to 16 Church Street, Athlone, co. Westmeath. Matriculation certificates were submitted by the following, who were granted Preliminary registration: Misses M. M. Duggan, M. Sharkey. Messrs. T. E. Reid, L. J. Cogan, and G. Kelly. THE REGISTRAR (Mr. J. J. Kerr) reported on the deaths of Messrs. J. J. Carmody, M.P.S.I., and G. D. Williams, R.D. The following were elected members of the Society: Messrs. T. J. Banks, M. A. Duffy, P. P. Greene, C. Keane, J. P. Myles, jun., F. Rouse, F. Walsh, and P. Ward. The following were nominated for membership: Messrs. T. J. Kennedy, 78 Main Street, Cashel, co. Tipperary; and D. B. O'Connor, The Medical Hall, Ballyduff, Tralee, co. Kerry; Mrs. S. C. V. O'Flynn, 81 Kenilworth Square, Dublin; and Miss M. O'Loughlin, Tobernea, Kilmallock, co. Limerick. The Licence certificate of George Roberts was signed and sealed.

The reports of the House, Schools, Certificates and Declarations Committees were submitted and approved. The report of the last-named Committee stated that forty-six candidates had entered for the July Licence examination, and one candidate for the Registered Druggist examination.

Training for Manufacture

At the conclusion of the business on the agenda THE PRESIDENT congratulated Mr. Boyd on the fine article he had published recently in the *C. & D.* on training pharmacists for the manufacturing end of the drug trade. MR. BOYD, thanking the president, said he hoped that the article would be some kind of reply to matters they had discussed there arising out of the consultative committee's recommendations. These were matters the consultative committee might consider at future meetings. MR. BROOKE-KELLY associated himself with the president's congratulations. Mr. Boyd's article, he said, had hit the nail on the head. He thought they should have there what he might call a chair of applied

science, which would show the practical application in pharmacy of everything they had learned in their chemistry, botany and materia medica. They had brilliant students with good examination records but who were unable to apply the knowledge they had gained. He thought they should have something on the lines of what Mr. Boyd had suggested.

MR. WHELEHAN said Mr. Boyd had doubted if the matters raised in his article were of interest to retail pharmaceutical chemists. Actually they were of much interest, because it was a question of applying what they learned to practical uses. He was quite sure that pharmacy in general would be at a higher level if more of their young people could be placed in a position to take up appointments in manufacturing laboratories, and help to rehabilitate pharmaceutical industry in the country.

Sales of Veterinary Preparations

MR. WHELEHAN said that some time previously he had raised the question of a firm of manufacturers withholding the sale of certain of their veterinary preparations through pharmaceutical chemists, and restricting distribution to veterinary surgeons. He would like to know if any reply had been received from the particular firm to the representations made. THE REGISTRAR said a formal reply had been received.

MR. WHELEHAN said that feeling amongst chemists in the country was strong on this matter and was coming to breaking-point. Since he had raised the matter another manufacturing firm had adopted the same attitude. Members must realise that the implications of such a policy of the manufacturers were vital to the future of Irish pharmacy. In effect they had outside firms through these restrictions establishing a new Schedule, and putting a limitation to the business Irish chemists could do. He did not know what was the position of pharmacists in England. If they were subject to that sort of thing they had his sympathy, but Irish pharmacists were determined to meet and fight this issue to a successful conclusion. In raising this he asked the president and members of the Council to give their full support to the chemists in the country fighting this policy.

THE PRESIDENT said he was glad Mr. Whelehan had raised this matter, as it was one to which he had given a considerable amount of thought. They had a native Government here that was quite capable of looking after the different Schedules. This

was something they could not let pass when outside firms adopted a policy that amounted to dictation, and the implication was that the Government and the Society were not doing their duty. He did not think they should allow outside firms to decide pharmaceutical policy in Eire. The city chemists were not affected to the same extent as those in the country, whose interests members present must protect. He suggested that the honorary officers should be empowered to prepare the ground for a plan of campaign to be discussed at the next Council meeting. MR. KISSANE said he would like to be associated with Mr. Whelehan's remarks. MR. GLEESON said he had hoped that the protest made last year about this policy would have had the desired result. It was rather disquieting now to hear that another concern was branching out in the same way. They as a Council must take a definite stand on this matter in the interests of their Members and Licentiates throughout the country.

MR. SCOTT said that so far as he knew the Government were advised in matters of this kind by the Department of Agriculture and the responsible heads of that department, who were veterinary surgeons. He thought it would be wise to leave it in their hands. MR. WHELEHAN said the Government were not consulted on the matter at all. The Government, in fact, did make representations to have veterinary preparations made more widely available, but the firm in question refused.

MR. SCOTT: Were the Government in favour of having them distributed more freely? MR. WHELEHAN: I don't know, but that is the fact. MR. CUNNINGHAM: Is it a fact that certain veterinary preparations are not allowed to be sold by chemists?

THE PRESIDENT: That's the position. The Northern Ireland chemists have taken this matter up, and a suggestion was made that certain goods would be supplied on veterinary prescription only, but the Ulster Chemists' Association refused.

THE PRESIDENT: I suggest you give the honorary officers power to take the necessary steps to plan a campaign to defeat interference with our rights and privileges, and that they report to our next meeting. On the proposition of MR. GLEESON, seconded by MR. O'SULLIVAN, this suggestion of the president was unanimously agreed to.

At a meeting of the Benevolent Fund Committee, held following the Council meeting, some grants were passed for payment.

THE SAGA OF STRATHPEFFER

by J. Ross-Mansell, B.Sc., M.P.S.

III. The Art of Dispensing

*Inspire me with true love for this my art
And for Thy creatures,
O grant—*

*That neither greed for gain, nor thirst for fame
nor vain ambition*

May interfere with my activity.

—Oath and Prayer of Maimonides, 1135.

IN Strathpeffer's mind as he views his cheque for N.H.I. dispensing is a very fine precept in "The Temple," written by George Herbert, which says:—

Let thy mind's sweetness have his operation
Upon thy body, clothes, and habitation.

At a time when London was without a single paved street and when the inhabitants of this

country of ours were living in windowless, chimneyless shelters, Arab civilisation was of a high standard, and Arabian pharmacists known as "sandalini" were punished for dispensing spurious and adulterated drugs, or for in-



A very important client.

accuracy. Frederick II of Sicily laid down in his laws for pharmacists, enacted in 1224, that the prices charged for dispensing physicians' prescriptions were to be such as to avoid the necessity for the pharmacist to sell so-called "magical potions" or to supply "improper" drugs.

On the basis of the remuneration which the Government of this day and age considers adequate, Strathpeffer is surprised at the influence which Maimonides still exerts on pharmaceutical ethics. He wonders if the coin of the realm especially created for pharmacy, and which never varies, like other meaner coinage, but remains static at 0.0625 of a penny, is intended to save the pharmacist from a life of excess and dissipation?

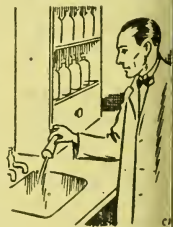
Service Without Profit

He remembers that one of the cardinal precepts of Marxian philosophy is that of service without profit. By that standard, pharmacists have been good Marxists, though they might be very annoyed if someone told them so. What other craft or profession gives its services to the State in

terms of 0.0625 of one penny? What section of the community supplies goods to the State at cost price and still renders *compos mentis*? Unless, as Uncle George once said, there are more variations in interpretations of what B.P. stands for than there are hypotheses on creation, the result that, if profit is to be made at all, it has to be made out of dispensing what are, in effect, inferior drugs.

One of the Regulars

Strathpeffer's monthly soliloquy is interrupted by the entrance of a very important client—important in the sense that in or rather in the prescription which he presents, is determined Strathpeffer's importance to the community. Mr. Snitch is one of Strathpeffer's "regulars," and one of the marvels of medical possibilities, since he has at one time or another acquired and survived more ills than would be wholly decent in one human being. Snitch says that the day is "too hot" for his "stummick" and that he thinks he has a "chill on the liver" through drinking what is an unusual beverage for Mr. Snitch—cold water—"which ain't a good thing to do this time of the year." Strathpeffer, however, has learned from past and present experience that if one remains silent, Snitch will talk himself to a standstill fairly soon, but disagree with him or elaborate on his arguments, and before you can say "the catastrophe" you have to list the catalogue of trials and tribulations which panel patients in general have to suffer, and Mr. Snitch, in particular, has with patience and with Christian humility and forbearance to accept without as much as "complainin'." And just when you begin to think Snitch has suffered quite enough, he gets his "second wind" and the journey through travail seems to have merely started. So Strathpeffer just nods his approval. Snitch's condemnation of unnatural beverages, agrees in the same way that medicine will be ready in an hour's time and repeats the nodding movement.



Throwing the rest down the dispenser

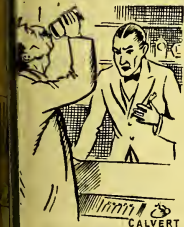
Mr. Snitch that the medicine is just thing for "chill on the liver." Thus red and denied any further opportunity talking to Strathpeffer, since the latter slowly fading out of his line of vision and eating slowly but surely to the dim zone of the rear of the pharmacy, Mr. ch departs with an acute sense of tration.

ing his Appointment Seriously

ow, safely ensconced behind the dis- ing screen, Strathpeffer looks at the cription. We ought to explain that ch's usual medical attendant has joined Forces and a Doctor Pfeffersalz, end from the ranks of refugee medical titioners in this country, is doing his t. Pfeffersalz is taking his newly- ired appointment very seriously, actu- examining his patients, and regarding osology of the Pharmacopœia as lack- in imagination. Snitch, apparently, such a delicately-poised stomach that eds half-minims and must be coaxed y before it will accept physic measured n round numbers. So let us look at the ription. It reads:—

liq. strych. hydrochlor. ℥ iiss
unctur. ferri perchlorid. ℥ xii
nfus. gentian co. ad ½ 3ss
Mitte ½ viii

Unless we are to be hanged, drawn and ured, we have to be particularly care- ful. . . . This will need good *secundem artem*," thinks Strathpeffer. How can one accurately measure 24 minims of liquor strych. without bringing in the resources of the National Physical Laboratory? And 192 minims of tr. ferri perchlor. ? Let us watch Strath-



into his œsophagus tity of the medicine. at work. Here, indeed, is a worthy ent of the art of dispensing. Strath- measures out 30 minims of liq. . and dilutes to 300 minims with then measures out very carefully drachms of the dilution, throwing mainder down the dispensary sink. goes all the profit, even by Uncle e's standards," thinks Strathpeffer. xt measures out, equally carefully, drachms of tr. ferri perchlor. and this to five drachms, and adds rachms of this dilution to the solu-

tion of liq. strych. "There," he thinks, "192 minims of tr. ferri perchlor. all safe and sound; 24 minims of liq. strych. all safe and sound. That's *dispensing*!"

Fate of a Mixture

We can share in the pride which Strath- peffer feels as he completes the mixture. Some eight hours later Mr. Snitch calls for his medicine and seems surprised to find that it has been ready for a long time. Strathpeffer hands the bottle to him and Snitch gives it an approv- ing look, but before Strathpeffer can give voice to his outraged feelings, Snitch has taken out the cork, placed the neck in his oral cavity, and has tipped into his œsophagus a quantity of the medicine which he thinks is enough to go on with. "Nasty stuff, that," says Snitch, wiping his mouth on the back of his coat sleeve, which has fulfilled a similar function on innumerable previous occasions, "but I 'ope it does me liver good."



"Here, you had better have a medicine glass."

An Irate Strathpeffer

It takes Strathpeffer some time to find voice, and when we hear him speak we realise that he is displeased with Mr. Snitch. Can he be annoyed? "After all, Mr. Snitch, you cannot drink medicine as if you were er drinking er—er—tea!" we hear an irate Strathpeffer say. "The doctor ordered you to take one tablespoonful," and getting hold of the medicine bottle from Snitch's hand and looking at it with startled eyes, "why you've taken nearly two tablespoon- fuls!" Snitch feels that the end is in sight: that he will die from poison before he can utter a protest of any kind or write a letter to the "Daily Scream." Strathpeffer, how- ever, assures him that all is well, but he must measure the medicine out properly. "Here, you had better have a medicine glass," says Strathpeffer, and Snitch is pleased to find that he is not expected to pay for it. Muttering what is presumed to be his gratitude, Snitch leaves as Strath- peffer begins to clear up before closing. We, however, can still hear Snitch mumbling as he leaves the pharmacy: "Bloomin' ol' fuss-pot!" and wistfully murmuring, "Might do all right for whisky—if there's any to be had!"

in 7-lb. packages), 7s. 11d. per lb. net. 5s. extra and returnable.

ARFINE.—Makers quote at the following prices: Base, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 25 oz., 20s. 3d. NITRATE, 1 oz., 4 oz., 18s.; 25 oz., 17s. 6d.

ROMINE.—Current rates per lb., for supplies of 7 lb.—28 lb., are as follows (supplies to D.M.S. approval): ALKALOID, B.P.C., SODIUM SALICYLATE, 25s. 6d.

Crude Drugs

—Occasional bales are being sold at controlled price of 30s. per lb.

—Curaçao is firm on spot at 450s. per cwt. Type is not available.

NUTS.—Wormy Ceylon quoted on spot per cwt., ex store.

—Prices and supply position uncertain. Peru, spot, 7s. 9d. per lb.; Canada, and Copaiba, unobtainable.

—Indian leaves, spot, nominal per lb.; Indian root, 0.36 per cent., 1 cwt.

—Sumatra, if available on spot, at £35 and upwards per cwt. Siam block, spot, £55.

—Limited supplies are quoted per lb.

—Tons of buchu leaves is reported to have been sold from South Africa during the past season, to the United States and Great Britain.

—Small supplies of Chinese crude available to approved buyers at 10s. per cwt. P., in similar quantities, at 11s. 6d.

—Aleppy greens may be obtained at 5s. 6d. per lb.; Aleppy seed, and split seed, 5s. 6d.

—*Hydnocarpus*, spot, in tins 6d. per lb.

—Mombasa, spot, 11s. per cwt., and other varieties are offered.

—Zanzibar quoted on spot at 1s. 4d. to arrive, unquoted.

—Fair white pulp may be obtained at 2s. 10½d. per lb.

—Portuguese leaves are obtained at 140s. per cwt., and English leaves at 2s. 6d. per lb.

—Zanzibar drop, nominal at 10s. per cwt.

—Shipment price is at 6s. per lb., cost 5s.; spot, 6s. 6d.

—Spot price of Kordofan cleaned leaves at 80s. per cwt.; bleached, shipment, c.i.f.; spot, 185s. Talha, cleaned, 10s. per cwt., landed.

—Indian leaf is priced at from 7s. per cwt., according to holder; best material may be obtained at 35s. Russian leaf, 350s. per cwt.

—Spot price is unchanged at 10s. per cwt., but supplies are small.

KAMALA.—Material with 6 per cent. ash would be worth 2s. per lb.

MENTHOL.—Demand continues, but supplies are difficult to find.

MERCURY.—Official quotations range from £68 10s. to £69 15s. per flask, according to conditions and quantity, with higher prices for smaller lots and redistilled grades.

MYRRH.—Aden sorts, if available on spot, would be worth about £20 per cwt.

NUTMEGS.—West Indian, wormy and broken, spot, 1s. 5d. per lb.; sound unassorted, 1s. 7½d.

PIMENTO.—Spot sellers at 1s. 4½d. per lb.

QUASSIA.—Steady at 40s. to 45s. per cwt., according to quantity.

QUILLAIA BARK.—Crushed or cut, spot, 90s. per cwt.; natural, 75s.; shipment, 65s., c.i.f.

RHUBARB.—Demand continues good, with rough-round quoted on spot at 10s. 6d. to 11s. per lb. Shensi, irregular shapes, 14s.

SEEDS.—A little more inquiry, but business remains slow. Current prices are as follows: CORIANDER.—Indian, 75s. per cwt. CUMIN.—Maltese, spot, 105s.; Indian, 100s. DILL.—125s., ex wharf. FENNEL.—Offered at 85s. FENUGREEK.—May be had at 80s. MUSTARD.—Controlled prices are unchanged.

SENNA.—Alexandrian medium pods are at 4s. per lb.; Tinnevely, manufacturing grade, 6d. to 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

STROPHANTHUS SEED.—Spot price of 100 per cent. Kombé seed remains at 7s. to 7s. 6d. per lb., according to quantity.

TRAGACANTH.—Prices of the medium grades are unchanged as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

TURMERIC.—In fair demand; prices unchanged. Sound Madras finger, spot, 57s. 6d. per cwt.

VALERIAN ROOT.—Quotations for Indian root are steady at 95s. per cwt.

WAXES.—BEES'.—Supplies may be obtained only through members of the Association of Merchant Distributors of Beeswax; official prices are as follows: Crude, 260s. to 290s. per cwt.; refined, 315s. to 355s.; bleached, 340s. to 370s.; Calcutta, crude, 250s. to 270s.; Calcutta, bleached, 325s. to 335s. CARNAUBA.—Fatty grey, 440s. per cwt., ex store, in minimum one-bag lots; shipment, 390s., c.i.f.; Primeira, 525s. to 540s. per cwt., ex store, nominal; shipment, 475s., c.i.f.; medium yellow, 530s., nominal; chalky grey, 430s., nominal; shipment, 377s. 6d. c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELLA.—Under 1 ton, 220s. per cwt.; 1–5 tons, 217s. 6d.; 5 tons and over, 215s., ex store. OURICURI.—Spot, 290s. to 330s. per cwt. as to quality.

Essential and Expressed Oils

ANISE (STAR).—A small quantity was reported to be on offer at 160s. per lb.

BAY.—Spot, if available, approximately 12s. per lb.

CINNAMON.—Leaf oil, if available on spot, would be worth around 13s. 9d. per lb.

CLOVE.—English distillers' prices for B.P. oil are steady at 11s. 6d. to 12s. per lb., according to quantity.

EUCALYPTUS.—Oil containing 70 to 75 per cent. cineole is quoted on spot at approximately 7s. 6d. per lb.

GINGERGRASS.—Spot supplies are small; price in the region of 22s. 6d. per lb.

NUTMEG.—No change in English distillers' quotations at 35s. per lb., with lower rates for quantities.

OLIVE.—Edible oil is quoted at 25s. 9d. per gallon (9 lb.), ex store.

PALMAROSA.—In small supply at around 55s. per lb.

PEPPERMINT.—Demand continues good, price nominal at 190s. per lb.

RAPESEED.—Official quotation for bulk lots is unchanged at £85 per ton, naked ex works.

Controlled Essential Oils.—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3½d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	15s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
„ (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	27s. 7d. (plus 3s. 5d. duty)

COMING EVENTS

Sunday, July 23

MANCHESTER PHARMACEUTICAL ASSOCIATION.
Ramble round Grindleford. Meet Central Station, 8.15 a.m. Book Grindleford return.

Friday, July 28

MANCHESTER SECTIONS, BRITISH ASSOCIATION OF CHEMISTS and ROYAL INSTITUTE OF CHEMISTRY, Engineers' Club, Albert Square, Manchester, at 6 p.m. Mr. H. E. Potts, M.Sc., on "Reform of the Patent Laws."

TRADE MARKS

(From "The Trade Marks Journal," June)

"AUXINEOL"; for preparations to stimulate plant growth and germination (1). By Hormones, Ltd., Mount Pleasant, Wern Middlesex. 625,045 (Associated).

"CLANG"; for chemical products for use in photography (1); natural resins (2) goods (8); all goods of thermo-setting thermo-plastic mouldable material combs, brushes, etc. (21). By Clang, Crown Yard, Cricklewood, London, N. 627,269-70, 627,272, 627,277-78 (All A. ated).

"DOLPHIN" (with device); for fertiliser By J. Evershed & Son, Ltd., 81 Eastern Road, Brighton, 7. 627,632.

"EXTENDAC"; for chemical substances for use in the manufacture of rubber (1). By Greeff & Co., Ltd., Thames House, 6 Street Place, London, E.C.4. B627,72.

"BUTTERFLY"; for dyestuffs (non-toilet). By Osogood, Ltd., Fruit Exchange, Victoria Street, Liverpool, 2. 627,406.

"BATHMAX"; for cleaning and polishing preparations, all for baths (3). By Chemical Laboratories, Ltd., Burli Road, New Malden, Surrey. B627,046.

"ULSTRONA"; for flavouring essences, etc. for pharmaceutical preparations (5). By Donaghy, Church Street, Ballymoney, Northern Ireland. B627,429-30 (Associated).

"GASTROTON"; for medicated stomach powder (5). By A. P. McCallum & Co., 8 Market Place, Edinburgh, 8. 626,029.

"VEGALOID"; for pharmaceutical preparations for internal use (5). By Botanical Laboratories, Ltd., Warden Court, Presteign, Radnor. 626,605.

"HALOSOL"; for preparations to exterminate moths (5). By Auto-Disinfectors, 40 Corporation Road, Newport, 627,284.

"ZONOPOL"; for pharmaceutical substances for human and veterinary use, disinfectants, etc. (5). By Genoxide, Ltd., King Luton, Beds. 627,454.

"DISCONT"; for medicated ointment for human use (5). By Blackwell, Hayes & Co., Ltd., 54 Moor Street, Birmingham. 627,843.

"ONOBLEM"; for pharmaceutical preparations (5). By the Old English Herb Shop, Cowley Works, Cowley Place, London, N.W.4. 628,126.

"LEUKOPROOF"; for medical and surgical plasters for human use (5). By Pharmaceuticals, Ltd., Bessemer Works, Welwyn Garden City, Herts. 628,126 (Associated).

"CAMPHALYPTUS"; for pharmaceutical preparations of camphor and eucalyptus. By Quality Chemists, Ltd., Hove, Brighton. 628,903.

"SPRINSECT" and "ZEMFLY"; for insecticides (5). By A. Ibbetson & Co., 1b-co Victoria Road, Stevenage, 628,920, 628,922.

EXCERPT from a Price List

The price list was ours
—dated April, 1943

NOW we regret to say
OUR STOCK OF 12's
(The Handy Pocket Pack)
IS EXHAUSTED

We hope to be able to
re-introduce it as soon
as possible when hosti-
lities cease.

MEANWHILE we can execute
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*

daily.

PACKING.	PRICE excl. Purch. Tax.	PUR- CHASE TAX.
Tablets, 5 grains:		
*Carton of 12 (-/4 nett)	-/6	-/1
P.A.T.A. -		
Bottle of 25 (-/8 nett)	1/-	-/1
P.A.T.A. -		
Bottle of 100 (2/4 nett) P.A.T.A. -	3/6	-/5
Tablets, 7½ grains:		
Tube of 20 (-/10 nett)	1/3	-/2
P.A.T.A. -		
Bottle of 100 (3/6 nett) P.A.T.A. -	5/3	-/7
*So long as stocks last.		

5 gr. on
or 100 x 5
gr. to the

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BRAND OF
ASPIRIN

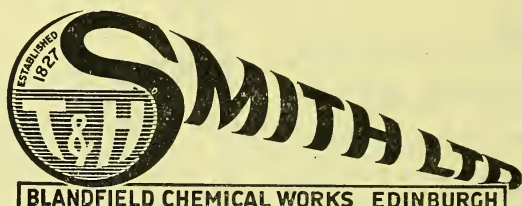


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there's plenty

The Ministry of Food's official issue of cod liver oil wisely ensures priority supplies for children under five and for mothers. But older children and adults also need cod liver oil because of its great value in maintaining healthy resistance to infection and epidemics.

SevenSeaS pure cod liver oil is now in good supply and there is no need for its use to be restricted to mothers and young children.

Therefore we appeal to the Medical, Nursing and Pharmaceutical professions to help in informing the public of this satisfactory state of affairs. The normal professional and commercial services of the country are in a position to cater for those whose needs are as yet outside the scope of official activities.

For our part, we are devoting our restricted advertising space to this purpose. Our advertisements explain the particular importance of cod liver oil in wartime ; its value to growth in children and the maintenance of reserves of nervous-strength in adults. They emphasize the good supply position and urge the taking of SevenSeaS as a daily ration supplement to make good the present lack of fats.

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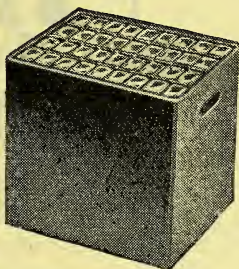
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MANUFACTURED IN BEST QUALITY
HITE FLINT, AND PACKED IN
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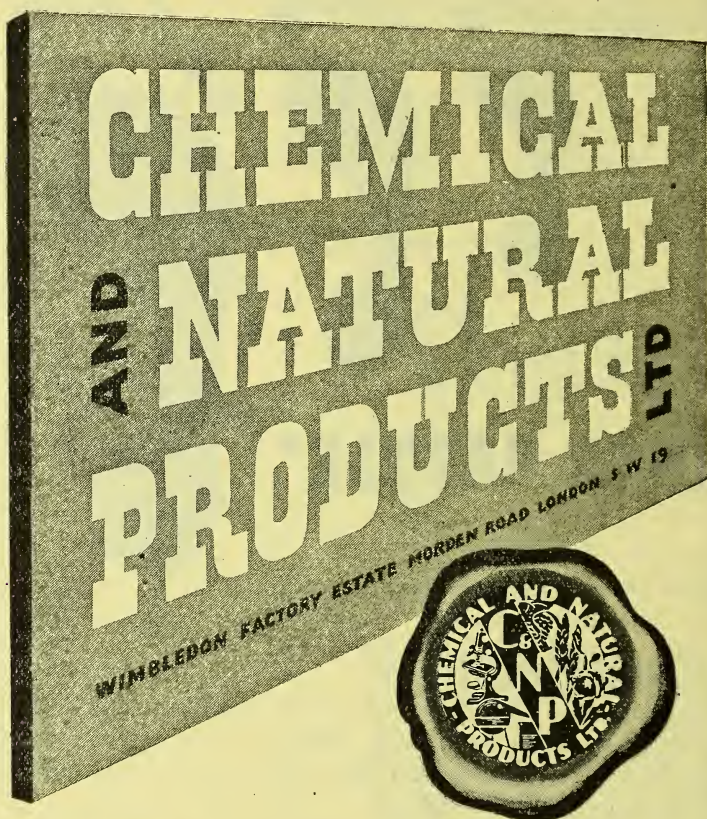
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This Supplement is inserted in every copy of The Chemist & Druggist

JULY 22
1944

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With certain exceptions, women over 18 and under 41
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GOUROCK, Scotland. Manager or Manageress
required for Drug Store (due to call up). Good
salary and prospects. Replies to Mr. P. L. Austin,
53 Randolph Road, Broom Hill, Glasgow.

LONDON CO-OPERATIVE CHEMISTS, LTD.,
require Qualified Pharmacists for progressive
positions with post-war prospects in various areas.
Particulars, which will be treated with confidence,
should state in the first instance full details as to
experience, etc., and be addressed to Chief Pharma-
cist, 54 Maryland Street, Stratford, London, E.15.

MANAGER, qualified, required for small business.
Apply stating age, married or single, salary
required. Outdoors; giving references. H. Edwards,
478 Old London Road, Hastings.

MANAGER or Manageress required for bright shop,
Euston Road. Must be non-eligible for call up.
Half day Saturday. Generous salary and bonus.
Would be very interested in candidate of 50-55 years
old. Arrange appointment by phoning City 3972, or
write. 573/553, C. & D. London Office.

ORRIDGE & CO. Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

QUALIFIED Pharmacist required, exempt military service, to manage old-established business, permanency, living accommodation if required, all particulars, experience, salary required, etc., to Butcher, Curnow & Co., Ltd., 33/35 Tranquil Vale, Blackheath, London, S.E.3.

QUALIFIED Manager required West End. Light Retail and Dispensing. Reasonable hours. No Sunday duty. 573/526, C. & D. London Office.

QUALIFIED or Unqualified Dispenser-Assistant required for long-established family dispensing business. Other staff employed. Safe area. Henry Davis (Newbury), Ltd., Chemists, 37 Northbrook Street, Newbury.

THE management of an old-established business in an Essex country town is waiting for a pharmacist who wants hard work and high wages. Subsequent progress is dependent upon the successful applicant's own endeavours. 573/552, C. & D. London Office.

THE Royal Arsenal Co-operative Chemists Limited invite applications from qualified Pharmacists for the position of Relief Manager. Position approved by the Pharmaceutical War Committee. Good post-war prospects. Apply in writing, stating age, experience, salary required and position under the National Service or Registration for Employment Order Acts to the Staff Manager, Royal Arsenal Co-operative Chemists Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

WANTED Qualified Assistant, permanency—male or female, young or aged. If with optical qualification a liberal commission. Light retail and dispensing. Reasonable hours. (Mrs.) Eden, 79 High Street, Cleator Moor, Cumberland.

WANTED. Chemist exempt from military service, for Herbal Prescribing Practice, for duration. Ability to diagnose and prescribe essential. 573/536, C. & D. London Office.

WANTED. Assistant Dispenser for firm of Doctors in Midland Evacuation Arca. 573/535, C. & D. London Office.

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BERKSHIRE. Unqualified Assistant (male or female) required immediately for small manufacturing laboratory, good salary, special war bonus, and bonus on turnover paid. Deferment would be granted by C.P.W.C. Hickman and Metcalf, Ltd., Market Place, Newbury.

CHEMIST, qualified and experienced in Pharmaceutical Manufacturing, required by Chemical Factory in London. Post-war prospects to suitable applicant. Good salary. Apply 572/500, C. & D. London Office.

COSTING Clerk required by S.E. London Manufacturing Chemists. Previous experience preferable but not essential. Reply, stating full details to Matthews & Wilson, Ltd., 6-8 Cole Street, London, S.E.1.

EXPERIENCED full-time Representatives required to introduce nationally-advertised Proprietary lines to Chemists, London and Provinces. Good connexion amongst Chemists essential. Salary, commission, expenses. Send fullest particulars in confidence, stating territories covered. Box W50411, Haddons, Salisbury Square, London, E.C.4.

EXPERIENCED Representative with established connexion among Chemists in S.W. England and S. Wales. Nationally advertised pharmaceutical and toilet products. Salary, expenses and commission. Permanent and progressive post with well-known House. Write full particulars experience in confidence. 573/528, C. & D. London Office.

EXPERIENCED Tablet Maker required by manufacturing Chemists in London; good 572/499, C. & D. London Office.

FIRM specialising in Edible Gelatine invitations from Representatives with live-con among Grocers, Chemists and allied trades in London. Commission basis. Good prospects Box Y 106, Willings, 362 Grays Inn Road.

IMPERIAL CHEMICAL (PHARMACEUTICAL) LTD. invite applications from Pharmacists with practical experience of pharmaceutical manufacturing processes with special reference to and ampoule production. The post is progressive and offers opportunities to a man with ability and initiative. Applicants are required to give full details of training and experience to the Staff Department, Imperial Chemical (Pharmaceuticals), Ltd., Hexagon House, Blackie Chester, 9.

IMPERIAL CHEMICAL (PHARMACEUTICAL) LTD. invite applications from men with practical experience in tablet production. Applicant should have good practical experience of tablet production. The post offers excellent and prospect of advancement. Applications requested to give full details of training and experience to the Staff Department, Imperial Chemical (Pharmaceuticals), Ltd., Hexagon House, Manchester, 9.

LABORATORY Assistant (male or female) for works control laboratory in London. Immediate standard in chemistry essential. Stating age, qualifications, experience and salary required to 572/525, C. & D. London Office.

MANAGER or Manageress (exempt) required for new Pharmaceutical Proprietary Company. Preference given to one with knowledge pharmaceutical trade, adaptability and personality, salary between £300-400 p.a., with prospect of directorship or participation to really able person. Full details (in strictest confidence) to C. & D. London Office.

MANUFACTURING Chemists in the North have vacancy for energetic and experienced Pharmacist, excellent prospects. Experienced Tabletting advantageous. Write, stating age and salary required to 571/467, C. & D. London Office.

QUALIFIED Assistant, exempt military service, required for Wholesale Department, with particulars of experience, etc., to Sir John Prescription Service, Ltd., Mitre Works, Road, Bow, E.3.

REPRESENTATIVE wanted by well-known Pharmaceutical Preparation Manufacturer. Wholesale trade only. Write stating age, experience, etc., to 573/542, C. & D. London Office.

REPRESENTATIVES required now, for various areas by Manufacturing Chemists. Full established connexion with retail chemists essential. Some ethical experience and connexion with hospitals desirable. Only high-grade men required. Permanent, with excellent post-war prospects. 572/522, C. & D. London Office.

REPRESENTATIVE with connexion in Hairdressers and Chemists required by established house. Vacancies for the Yorkshire, Northern Counties and Wales areas. Full confidence. 571/491, C. & D. London Office.

REPRESENTATIVE (whole time), required for London manufacturing chemists for customers in Hampshire, Western County and South Wales. Knowledge of drug trade essential. Apply stating experience, remuneration, etc., to C. & D. London Office.

WANTED, fully experienced Working Tablet Maker to take charge of large-scale production. Permanency, good wages and excellent prospects. The right man (North of England firm). Write full particulars. 572/501, C. & D. London Office.

WELL-KNOWN Firm Manufacturing Chemists require Representative to call on Chemists in London. Energetic man, able to take charge of London and generally manage small staff. Good prospects. Man living in Glasgow area. d. 573/533, C. & D. London Office.

WELL-KNOWN Chemist required for duration by S.E. London Manufacturing Chemists. Previous experience desirable but not essential. In organisation and staff control required. C. & D. London Office.

WELL-KNOWN Manager required for small chemical factory, North London area. Technical knowledge essential but must be able control labour. Being salary, £500. Box J.312, Lee & Nightingale, Liverpool.

SITUATIONS WANTED

18 words or less, 1d. for every additional word.

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WELL-KNOWN Registered, active, elderly counter, discharging. London preferred, permanent or locum. C. & D. London Office.

WELL-KNOWN (Austrian) 30, completed qualifying course, requires 6 months in retail or hospital (outer district) to finish apprenticeship. Apply 125 Domesne Road, Manchester 16.

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Experienced Qualified Locum free July 31 August 12 and September 18 to 23. S. London. 573/548, C. & D. London Office.

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WELL-KNOWN Representative, 45, excellent connexion all leading chemists South-west and South Wales requires additional agency. Only reputable firms considered. C. & D. London Office.

WELL-KNOWN (exempt) calling chemists, ladies' dressers, South Coast, seeks additional lines. Consider whole-time representation. H 38, 1 Street, S.W.1.

WELL-KNOWN TISER, young, energetic, wide experience wholesale distribution, with extensive connexion Irish pharmacists, wishes to contact interested in Eire trade. 573/537, C. & D. London Office.

WELL-KNOWN (exempt) Representative with excellent connexion in Home and Eastern Counties position with House of repute in Packed Drugs. Excellent sales record, exempt. Take over other territory and reside on 573/534, C. & D. London Office.

WELL-KNOWN ASSISTANT for manufacturing chemists like to change situation as soon as possible. Good organizer, with formulas for big new products. Take complete charge of maximum production and packing. Permanent and serious. C. & D. London Office.

WELL-KNOWN (exempt) Representative at present General Manager or small shop. Real and practical experience in production, buying, speciality manufacturing, transport, cost and retail systems, purchase tax, etc. Desires change to executive post offering greater responsibility. Present salary £650. 572/516, C. & D. London Office.

WELL-KNOWN (exempt) Representative, with very good connexion, upon Chemists (wholesale and retail) in Midlands and South Wales, desires position of responsibility. Age 34. Not liable for service. Car owner. 573/529, C. & D. London Office.

WELL-KNOWN Representative, experienced, covering South London, Provinces and South Coast, seeks one other Pharmaceutical or Toilet product. Details in first instance. 573/531, C. & D. London Office.

WELL-KNOWN TRAVELLER seeks established British Manufacturer with high-grade Products in demand and existing connexion Chemists, Hospitals, etc. Bristol, South-west Country. 573/530, C. & D. London Office.

WELL-KNOWN Representative of good house with long standing friendly connexion in Yorkshire, desires an additional line. 573/551, C. & D. London Office.

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WELL-KNOWN MACHINES for Sale. 1 Hobart 3-speed mixer, 20-24 quarts, A.C. equipped with mincer, slicer, and breadcrumber. 1 Hobart 1-speed whisk, 10-gallon, A.C. jacketed pan, latest Model. 1 Washing machine, modern design, A.C. motor, gas-heated, copper container, new. 1 Paste Mixer, 18 in. x 18 in. x 21 in. deep, slide bottom outlet. 1 Heavy Duty Paste Mixer, 26 in. x 26 in. x 31 in. deep, slide bottom outlet. 1 3-speed mixer, Werner and Pfleiderer type, double trough pan 20 in. x 20 in x 16 in. deep. Gun metal "ladder" type blades. All machines in super condition. 573/546, C. & D. London Office.

WELL-KNOWN SURPLUS Stock.—Stearic Acid: Triple pressed, white block, cosmetic quality, in cwt. lots at 1s. 7½d. per lb. Carriage paid, while stock lasts. Peppermint Oil, "Polar Bear Brand," 2 x 5 lb., original tins at 185s. per lb. Henshaw, M.P.S., 97 Clearmount Road, Weymouth.

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WELL-KNOWN A MANUFACTURER Chemist with laboratories in London desires to contact a firm with facilities for bottling and labelling a proprietary line (liquid) with a view to making arrangements of mutual benefit in the event of damage through enemy action. Write Dept. M.C., c/o Lessel Hutcheon, Ltd., 24/25 New Bond Street, London, W.1.

WELL-KNOWN ACCOUNTANT writes up traders' books, prepares all forms of accounts, Income Tax returns; audits; company formation, etc. 572/512, C. & D. London Office.

WELL-KNOWN LONDON Manufacturer Chemists have facilities for packing, bottling, labelling, despatching, and general manufacturing of all types of goods. All replies will be treated in the strictest confidence. Principals only. 573/543, C. & D. London Office.

WELL-KNOWN MANUFACTURER required to make from own materials health salts in bulk or pack. Reply to 571/465, C. & D. London Office.

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WELL-KNOWN ADVERTISER wishes to purchase business, must be turning over a minimum of £4,000 per year, good price offered for good business. Southern England preferred. Write 572/509, C. & D. London Office.

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BRITISH PHARMACOPOEIA COMMISSION

RESEARCH ASSISTANT. Applications for this post are invited from Pharmaceutical Chemists and University graduates in Pharmacy. Salary £300 per annum plus war bonus (at present £49 11s. per annum). Applications to: The Secretary, British Pharmacopoeia Commission, University College Hospital Medical School, University Street, London, W.C.1.

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SACCHARIN Tablets, Standard 0.2. regular supplies in quantity, packets and for essential Works' exclusive use. Please to Davies & Thompson, 2 Park Road, Bury Old Manchester, 8.

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WANTED, Hand numbering machines, small type, Leda or similar pattern. C. 571/476, C. & D. London Office.

WANTED to Purchase Stock lots of White bow-panel Bottles, with screw caps 12-oz., and larger. State quantity and R. Blake & Co., 6 The Crescent, King Leicester.

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